

No.	Pub. Year	Citations	File Name	File Size (bytes)
1	1940-1958	891	RADBIB01.TXT	1,121,205

The search criteria was for radiation or radiological for publication year greater than 1939 and less than 1959.

The document database four character field names and a descriptor for each field are as follows:

ABS	Abstract
ACCD	Accession Date
ADNO	DTIC Number
AUTH	Author(s)
CCDE	Computer Code(s)
CLSS	Classification
CONN	Contract Number
CORP	Corporation
DATE	Report Date
DESC	Descriptor(s)
EFFT	Damage Mechanism
EMPF	Electro Magnetic Pulse File number(s)
HESO	High Explosive Shot(s)
INUM	Item Number
LA	Country or Language
PROJ	Project Number
REPN	Report Number
SHOT	Nuclear Test(s)
SUCE	Device Designation
SUJO	DASIAC Subject number(s)
SYMJ	Published in
SYST	System Affected
TEMP	Document Control number(s)
TITL	Report Title
TNFF	Tactical Nuclear Warfare
TREE	Transient Radiation Effects on Electronics number(s)
TSHO	Shot Type

Defense Threat Reduction Agency Declassification Review EO 12958	
1st REVIEW DATE <u>8 FEB 00</u>	REVIEWER (name initials)
AUTHORITY: <u>EO 12958</u>	1. Classification Unchanged
NAME: <u>John A. Bly</u>	2. Classification changed to <u>UNCLAS</u>
2nd REVIEW DATE <u>8 FEB 00</u>	3. Classification changed to <u>UNCLAS</u>
AUTHORITY: <u>EO 12958</u>	4. Classification changed to <u>UNCLAS</u>
NAME: <u>John A. Bly</u>	5. Exempt from Declassification
	6. Exemptions 1 2 3 4 5 6 7 8 9

* WITH DELETIONS *

.folddata
Report Log for Bibliography
Report 'bibliography' scheduled as 'radbib'
Bibliography using full text searching with selection qualification.
STILAS text selection v6.2 started on Monday, June 13, 1994, 9:27 AM
Search will use the KUNI database
Search strings will be read from standard input
The catalog key will be written to standard output
19940613092741 BRS/Search-Engine v.5 started for seltext2
11379 records found for #1: RADIATION OR RADIOLOGICAL
1 searches considered
1 searches selected.
STILAS text selection finished on Monday, June 13, 1994, 9:34 AM
STILAS catalog selection v6.2 started on Monday, June 13, 1994, 9:27 AM
Catalog key will be read from standard input
The catalog key will be written to standard output
The author key will be written to standard output
The title key will be written to standard output
Catalog will be selected if year_of_pub is more than 1958 and less than 1963
11379 catalog record(s) considered
787 catalog record(s) selected.
STILAS catalog selection finished on Monday, June 13, 1994, 9:34 AM
STILAS call number selection v6.2 started on Monday, June 13, 1994, 9:27 AM
Catalog key will be read from standard input
The callnum primary key will be written to standard output
The shelving key will be written to standard output
String from standard input will be written to standard output
Call number will be selected if library is DOCUMENT
787 callnum record(s) considered
787 callnum record(s) selected.
STILAS call number selection finished on Monday, June 13, 1994, 9:34 AM
STILAS item selection v6.2 started on Monday, June 13, 1994, 9:27 AM
Item file will be read by callnum key from standard input
The item primary key will be written to standard output
String from standard input will be written to standard output
787 item record(s) considered
787 item record(s) selected.
STILAS item selection finished on Monday, June 13, 1994, 9:34 AM
Sort: sorting by CALL NUMBER
STILAS item printing v6.2 started on Monday, June 13, 1994, 9:27 AM
Catalog key will be read from standard input
The print will be a catalog level shelflist
The MARC tags will be written to standard output
The call number only will be written to standard output
The item information will be written to standard output
The report title option will be used
787 catalog(s) printed.

0 catacnt(s) printed.
787 call number(s) printed.
787 item(s) printed.
0 itemacnt(s) printed.
STILAS item printing finished on Monday, June 13, 1994, 9:36 AM
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Produced Monday, June 13, 1994 at 9:27 AM

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INUM: 00187
AUTH: HELLER R.B.
CLSS: U
CORP: WEAPONS SYSTEMS EVALUATION GROUP (ARLINGTON-VA)
DATE: 6102
DESC: Nuclear Weapon Environment radiation decay beta decay L1
DESC: Solid Mechanics L1
DESC: THEORY
REPN: WSEG RM 19
SUJO: 2-223-430 ; 9-200-000
TITL: ENERGY AND TIME BETA RAY SPECTRA OF FISSION PRODUCTS OF
U-235 BY
FISSION NEUTRONS AND U-238 BY 14 MEV NEUTRONS (U), 56 P

(U)
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created: 12/27/1991 type: REPORT permanent
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INUM: 00224
AUTH: DYCE R.B. ; JOHNSON G.L.
CLSS: S 1
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6111
DESC: SATELLITE ; EXPERIMENTAL
DESC: nuclear test detection trapped radiation L1 EXTRA
STRATOSPHERIC
OBSERVATION
REPN: SRI 1 221
SUJO: 4-910-700
TEMP: 23087
TITL: PRELIMINARY PROGRESS REPORT ON SPECIAL INJUN I DATA
STUDY (U), 9 P
(S)
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INUM: 00226
AUTH: DYCE R.B.
CLSS: C
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6111
DESC: SATELLITE ; EXPERIMENTAL
DESC: nuclear test detection trapped radiation L1 EXTRA
STRATOSPHERIC
OBSERVATION
REPN: SRI 1 270
SUJO: 4-910-700
TEMP: 23269
TITL: PRELIMINARY PROGRESS REPORT NUMBER 2 ON SPECIAL INJUN I
DATA STUDY
 (U), 14 P (C)

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INUM: 00313
ADNO: 219127
AUTH: SUESS H.E.
CLSS: U
CONN: NONR 2216 01
CORP: SCRIPPS INSTITUTION OF OCEANOGRAPHY
DATE: 5901
DESC: SUMMARY
DESC: Nuclear Warfare Postattack Recovery resources air
quality L5
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L5
SUJO: 2-223-410 ; 3-448-300
TITL: RADIOACTIVITY OF THE ATMOSPHERE AND HYDROSPHERE, ANNUAL
REVIEW OF
 NUCLEAR SCIENCE, VOL. 8 (U), 14 P, (U)

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 created: 12/27/1991 type: REPORT permanent
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INUM: 00328
 AUTH: HENDRICK R.W. JR.
 CLSS: SRD 1
 CONN: AF 18 (600) 1808
 CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
 DATE: 6010
 DESC: Nuclear Weapon Environment Thermal Output rate L1
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1
 DESC: Nuclear Weapon Effects electronic pieceparts solar cells
 L1
 DESC: IR DETECTORS THERMAL NUCLEAR RADIATION PERMANENT DAMAGE
 ; SUMMARY
 THEORY
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware optical
 devices sensors IR detectors L1
 REPN: RM 60 TMP 75
 SHOT: TEAK ; ORANGE
 TSHO: HI-ALT
 SUJO: 1-210-000 ; 1-240-000 ; 3-133-000 ; 3-223-000
 TEMP: 17015
 TITL: EFFECTS OF SPACE WEAPONS ON INFRARED SYSTEMS (U), 56 P
 (SRD)
 TREE: 361
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INUM: 00336
 AUTH: HENDRICK R.W. JR.
 CLSS: SRD 1
 CONN: DA 36 039 SC 85236
 CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
 DATE: 6003
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1
 DESC: Nuclear Weapon Environment X-ray Output source strength
 total
 intensity L1
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity L1
 DESC: Nuclear Weapon Effects space systems L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1

DESC: NUCLEAR RADIATION TRANSIENTS X-RAY NUCLEAR RADIATION
 PERMANENT
 DAMAGE VHF UHF MICROWAVE ; THEORY
 DESC: Nuclear Weapon Effects Communications Systems VHF UHF
 SHF satellite
 DESC: Nuclear Weapon Effects EM Propagation absorption
 blackout L1
 DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
 Energy
 Coupling L1
 REPN: RM 60 TMP 17
 SUJO: 1-110-000 ; 1-210-000 ; 1-610-000 ; 1-710-000 ;
 2-150-000 ;
 2-321-100 ; 2-322-310 ; 3-114-000
 TEMP: 13526
 TITL: COMMUNICATION SATELLITE ENVIRONMENT, NUCLEAR DETONATION
 DISTURBANCES
 (U), 35 P(SRD)
 TREE: 393
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 INUM: 00370
 AUTH: HAMMAN D.J. ; CHAPIN W.E. ; HANKS C.L. ; WYLER E.N.
 CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
 DATE: 6106
 DESC: NUCLEAR RADIATION PERMANENT DAMAGE ; SUMMARY
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 DESC: Nuclear Weapon Effects materials ceramics optical L1
 DESC: Nuclear Weapon Effects materials plastics resins L1
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 DESC: Nuclear Weapon Effects electronic pieceparts measuring
 devices
 sensors detectors L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1
 REPN: REIC 18
 SUJO: 3-221-000 ; 3-224-000 ; 3-229-000 ; 3-231-000 ;
 3-241-000 ;
 3-244-000
 TITL: EFFECT OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS
 (U), 144 P (U)
 TREE: 300

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created: 12/27/1991 type: REPORT permanent
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INUM: 00440
AUTH: ROCHLIN R.S.
CLSS: U
CORP: GENERAL ELECTRIC COMPANY (SCHENECTADY-NY)
DATE: 5909
DESC: Nuclear Weapon Phenomenology High-Altitude auroras L1
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum L9 P 111
DESC: EXPLORER 4 (SATELLITE) ; THEORY EXPERIMENTAL
BIBLIOGRAPHY
DESC: nuclear test detection visible light detection L9 P 95
P 105
DESC: radio microwave propagation abnormal conditions auroral
disturbances
sudden ionospheric disturbances SID polar cap
absorptions PCA solar
eclipse L1
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Solar Phenomena L1
DESC: Nuclear Weapon Effects EM Propagation absorption
blackout L1
DESC: Nuclear Weapon Effects on animals thermal L1
REPN: 59 GL 211
SHOT: TEAK ; ORANGE
SUJO: 2-211-000 ; 2-215-000 ; 2-321-100 ; 3-312-000 ;
3-313-000 ;
4-910-900 ; 5-738-000 ; 5-800-000 ; 5-900-000
TITL: IONIZING RADIATION IN SPACE, NO. 4 (U), 177 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 00441
AUTH: ROCHLIN R.S.
CLSS: U
CORP: GENERAL ELECTRIC COMPANY (SCHENECTADY-NY)

DATE: 5905
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling distribution energy spectrum L1
 DESC: THEORY EXPERIMENTAL
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 REPN: 59 GL 112
 SUJO: 2-211-000 ; 5-800-000
 TITL: IONIZING RADIATION IN SPACE, NO. 3 (U), 195 P (U)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00483
 AUTH: BEAVERS J.L. II ; ALLEN L. JR. ; DENNIS J.L. ; WELCH
 J.A. JR. ;
 WALTON R.B. ; WHITAKER W.A.
 CLSS: SRD 1
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 5901
 DESC: nuclear test detection trapped radiation L1
 DESC: ROCKET OBSERVATION FLORAL JASON ; EXPERIMENTAL
 DESC: Nuclear Weapon Phenomenology High-Altitude injection
 trapping L1
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 DESC: test instruments nuclear radiation beta electron beams
 L1
 REPN: SWC 59 TS 008
 SHOT: ARGUS I ; ARGUS II ; TEAK ; ORANGE
 TSHO: HI-ALT
 SUJO: 2-217-000 ; 4-344-000 ; 4-910-700 ; 5-800-000
 TEMP: 23797
 TITL: CLASSIFIED TITLE (U), 114 P (SRD)
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 INUM: 00511
 AUTH: BELL J.E. ; WALKER K.R.

CLSS: U
 CONN: AF 29 (601) 2538
 CORP: HUGHES AIRCRAFT COMPANY (CULVER CITY-CA)
 DATE: 6105
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 DESC: TREE ; THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits L1
 REPN: AFSWC TR 61 40 ; SWC TR 61 40
 SUJO: 3-221-000 ; 3-222-000 ; 3-229-000
 TITL: THEORETICAL STUDY OF BURST INDUCED TRANSIENT RADIATION
 EFFECTS IN
 BASIC ELECTRONIC CIRCUITS, FINAL REPORT (U), 275 P (U)
 TREE: 330
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 INUM: 00518
 AUTH: KNECHT D.J.
 CLSS: U
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 6008
 DESC: test instruments nuclear radiation beta electron beams
 L1
 DESC: test instruments nuclear radiation gamma L1
 DESC: FLIGHT SCHEDULE FOR PROBES ; SUMMARY
 REPN: AFSWC TN 60 24 ; SWC TN 60 24
 SUJO: 4-341-000 ; 4-344-000
 TITL: OUTLINE OF THE EXPERIMENTAL PROGRAM IN SPACE PHYSICS OF
 THE AFSWC
 PHYSICS DIVISION (U), 16 P (U)
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 INUM: 00519
 AUTH: WELCH J.A. JR.

CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6009
DESC: THEORY
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: AFSWC TN 60 29 ; SWC TN 60 29
SUJO: 5-800-000
TITL: THEORY OF GEOMAGNETICALLY TRAPPED PARTICLES, PART I
SCATTERING LOSS
OF GEOMAGNETICALLY TRAPPED PARTICLES, PART II
CONFIGURATION OF THE
EARTHS RADIATION BELTS (U), 29 P (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 00523

AUTH: HOCK D.C.

CLSS: U

CONN: AF 29 (601) 2348

CORP: RADIATION INCORPORATED (ORLANDO-FL) ; AIR FORCE/WEAPONS
LABORATORY
(KIRTLAND AIR FORCE BASE-NM)

DATE: 6012

DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1

DESC: THEORY

REPN: AFSWC TR 60 57 ; SWC TR 60 57

SUJO: 5-800-000

TITL: PHYSICS OF THE VAN ALLEN RADIATION BELTS (U), 111 P (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 00538

AUTH: NADLER M.R. ; HOFFMAN P.R.

CLSS: SRD 1

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)

DATE: 6006

DESC: Nuclear Weapon Effects reentry systems RV L1
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components L5
 DESC: TREE NUCLEAR WARHEADS RF ENERGY ; SUMMARY
 DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
 REPN: AFSWC TN 60 18 ; SWC TN 60 18
 SUJO: 3-113-000 ; 3-161-000 ; 4-836-000
 TEMP: 23908
 TITL: VULNERABILITY OF ENEMY NUCLEAR WARHEADS TO RF RADIATION
 (U), 18 P
 (SRD)
 TREE: 397
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 INUM: 00552
 ADNO: 359243
 AUTH: YORK E.N.
 CLSS: SRD 1
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 6001
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity L1
 DESC: Radiation Transport neutron L1
 DESC: THEORY
 DESC: Radiation Transport x-ray L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1
 REPN: AFSWC TN 59 37 ; SWC TN 59 37
 SUJO: 1-110-000 ; 1-710-000 ; 9-640-000 ; 9-650-000
 TEMP: 23898
 TITL: INITIAL NUCLEAR RADIATION INFORMATION FOR CALCULATING
 BIOLOGICAL
 DOSAGE FROM LOW-YIELD NUCLEAR WEAPONS (U), 12 P (SRD)
 TREE: 910 ; 920
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 created: 12/27/1991 type: REPORT permanent
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INUM: 00554
AUTH: ERMA V.A. ; RUHLIG A.J.
CLSS: SRD 1
CONN: AF 29 (601) 1015
CORP: AERONUTRONIC DIVISION OF PHILCO CORPORATION (NEWPORT
BEACH-CA) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6003
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
DESC: THEORY
REPN: AFSWC TR 59 35 SUPP 1 ; SWC TR 59 35 SUPP 1
SUJO: 2-420-000
TEMP: 23871 SUPPL 1
TITL: RADIATION FROM ARGUS ELECTRONS (U), 45 P (SRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 00555
ADNO: 369265
AUTH: WISER H.L. ; PERKINS C.W. ; ROSENFELD J.
CLSS: SRD 1
CONN: AF 29 (601) 1259
CORP: HUGHES AIRCRAFT COMPANY (CULVER CITY-CA) ; AIR
FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 5907
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1
DESC: Nuclear Weapon Environment Prompt Neutron dose rate
pulse width L1
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity L1
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1
DESC: TREE ; THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
REPN: AFSWC TR 59 33 ; SWC TR 59 33
TSHO: HI ALT
SUJO: 1-110-000 ; 1-140-000 ; 1-710-000 ; 1-740-000 ;

3-221-000 ;
 3-222-000 ; 3-229-000
 TEMP: 23870
 TITL: TRANSIENT RADIATION EFFECTS IN ELECTRONICS (U), 112 P
 (SRD)
 TREE: 100
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00557
 AUTH: REIFFEL L.
 CLSS: SRD 1
 CCDE: ZZ (RADIATION DEPOSITION)
 CONN: AF 29 (601) 1164
 CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
 (CHICAGO-IL) ;
 AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 5906
 DESC: Cross Sections x-ray L1
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry x-ray
 L1
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry prompt
 neutron L1
 DESC: THEORY CODE
 DESC: Nuclear Weapon Environment Ground Shock heating
 thermoluminescence
 transitions L1
 REPN: AFSWC TR 59 39 VOL 2 ; SWC TR 59 39 VOL 2
 SUJO: 2-312-300 ; 2-312-400 ; 2-629-000 ; 9-840-000
 TEMP: 23874 VOL 2
 TITL: STUDY OF LUNAR RESEARCH FLIGHTS, VOLUME II (U), CIRCA
 150 P (SRD)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00560
 ADNO: 369269
 AUTH: BRUECKNER K.A. ; COOK C.W. ; GOLDBERGER M.L. ; HAMLIN
 D.A. ; KARPLUS

R. ; KAUFMAN A. ; NORTHROP T.G. ; PAPPERT R.A. ; VIK
 R.C. ; WATSON
 K.M.
 CLSS: SRD 1
 CONN: AF 29 (601) 1150
 CORP: GD/CONVAIR DIVISION (SAN DIEGO-CA) ; AIR FORCE/WEAPONS
 LABORATORY
 (KIRTLAND AIR FORCE BASE-NM)
 DATE: 5910
 DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
 Rates L1
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 DESC: Nuclear Weapon Environment Induced Geomagnetic
 Hydromagnetic
 Perturbations L1
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum L1
 DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
 Energy
 Coupling L1
 DESC: THEORY
 DESC: Fluid Mechanics hydrodynamics L1
 REPN: AFSWC TR 59 59 ; SWC TR 59 59
 TSHO: HI ALT
 SUJO: 2-110-000 ; 2-150-000 ; 2-211-000 ; 2-420-000 ;
 2-530-000 ;
 5-800-000 ; 9-410-000
 TEMP: 23877
 TITL: PHYSICS OF NUCLEAR EXPLOSIONS IN SPACE (U), 364 P (SRD)
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 INUM: 00585
 ADNO: 356968
 AUTH: ZADOFF L. ; BERNSTEIN M.
 CLSS: SRD 1
 CONN: AF 29 (601) 2324
 CORP: REPUBLIC AVIATION CORPORATION (FARMINGDALE-NY) ; AIR
 FORCE/WEAPONS
 LABORATORY (KIRTLAND AIR FORCE BASE-MM)
 DATE: 6102
 DESC: Solid Mechanics L1
 DESC: Radiation Transport plasma L1
 DESC: THEORY

REPN: AFSWC TR 61 1 VOL 3 ; SWC TR 61 1 VOL 3
SUJO: 9-200-000 ; 9-660-000
TEMP: 23951 VOL 3
TITL: THEORETICAL STUDIES IN THE MOTION OF BOMB DEBRIS, VOLUME
III (U), 48
P (SRD)

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00585

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created: 12/27/1991 type: REPORT permanent

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INUM: 00586
AUTH: BURGREN D. ; MENKES S.B.
CLSS: SRD 1
CONN: AF 29 (601) 2827
CORP: UNITED NUCLEAR CORPORATION (ELMSFORD-NY)
DATE: 6107
DESC: THERMAL BLAST AND SHOCK NUCLEAR RADIATION PERMANENT
DAMAGE ; THEORY

DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
REPN: AFSWC TR 61 41 ; SWC TR 61 41
SUJO: 3-161-000
TEMP: 23920
TITL: CLASSIFIED TITLE (U), 107 P (SRD)

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00586

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copy: 1 id: 37823-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00592
AUTH: WHITAKER W.A.
CLSS: SRD 1
CORP: GD/CONVAIR DIVISION (SAN DIEGO-CA) ; AIR FORCE/WEAPONS
LABORATORY
(KIRTLAND AIR FORCE BASE-NM)

DATE: 5908

DESC: Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic

Perturbations L1

DESC: SPACESHARE CONFERENCE PROCEEDINGS ; SUMMARY

DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped

Radiation Particle Fluxes Space Radiation L1

DESC: Nuclear Energy Peaceful Applications basic physical
measurements

nuclear cross sections L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling distribution energy spectrum L1
 DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
 EMP L1
 REPN: SWR TM 59 5
 SUJO: 2-211-000 ; 2-510-000 ; 2-530-000 ; 3-486-000 ;
 5-800-000
 TEMP: 23925
 TITL: SPACESHARE, PROCEEDINGS OF THE CONFERENCE ON THE
 PEACEFUL USES OF
 NUCLEAR WEAPONS IN SPACE, AUGUST 10 15, 1959, HELD AT
 UNITED STATES
 AIR FORCE ACADEMY, COLORADO SPRINGS, COLORADO (U), 110
 P (SRD)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00600
 AUTH: SCHRAG R.L.
 CLSS: U
 CONN: DA 49 146 XZ 067
 CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
 DATE: 6108
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 DESC: radio microwave propagation abnormal conditions auroral
 disturbances
 sudden ionospheric disturbances SID polar cap
 absorptions PCA solar
 eclipse L1
 DESC: ARTIFICIAL AURORA ; THEORY
 REPN: SRI PROJ 3644 ; SPECIAL REPORT 1
 SUJO: 5-738-000 ; 5-800-000
 TITL: PROBLEMS RELATED TO THE PROJECTION OF A SOFT,
 HIGH-CURRENT ELECTRON
 BEAM ALONGTHE EARTHS MAGNETIC LINES USING A ROCKET-BORNE
 ACCELERATOR, SPECIAL REPORT 1 (U), 43 P (U)
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 00600
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 created: 12/27/1991 type: REPORT permanent
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INUM: 00711
AUTH: WESLEY J.P.
CLSS: CFRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6104
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC: THEORY
EMPF: 221
REPN: UCRL 5157 (REV)
TSHO: HI-ALT
SUJO: 2-510-000
TEMP: B8499
TITL: THEORY OF ELECTROMAGNETIC FIELD FROM A HIGH-ALTITUDE
SHOT (U), 36 P
(U)

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00711

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created: 12/27/1991 type: REPORT permanent

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INUM: 00712
AUTH: NAKADA P.
CLSS: SFRD 1
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 5905
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
DESC: THEORY
REPN: UCRL 5585
SUJO: 2-420-000
TEMP: 25218
TITL: SYNCHROTRON RADIATION FROM ARGUS ELECTRONS (U), 32 P
(SFRD)

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copy: 1 id: 37868-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00748
AUTH: ALTSHULER T.
CLSS: U
CORP: GENERAL ELECTRIC COMPANY/ADVANCED ELECTRONICS CENTER
(ITHACA-NY)
DATE: 6002

DESC: THEORY
DESC: Radiation Transport IR L1
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1
REPN: R 59 ELC 115
SUJO: 5-200-000 ; 9-670-000
TITL: ATMOSPHERIC TRANSMISSION OF INFRARED (U), 29 P (U)

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00748

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copy: 1 id: 37871-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00749

AUTH: ELLIOTT F.E. ; ALTSHULER T.L.

CLSS: U

CORP: GENERAL ELECTRIC COMPANY/ADVANCED ELECTRONICS CENTER
(ITHACA-NY)

DATE: 6002

DESC: THEORY

DESC: Radiation Transport IR L1

DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1

REPN: R 60 ELC 16

SUJO: 5-200-000 ; 9-670-000

TITL: TRANSMISSION OF INFRARED THROUGH CLOUDY ATMOSPHERES (U),
28 P (U)

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copy: 1 id: 37872-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00822

CLSS: U

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)

DATE: 6108

DESC: SURVEY

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

REPN: REIC 8 C

SUJO: 4-140-000

TEMP: 25437

TITL: NUCLEAR RADIATION EFFECTS PROJECTS (U), 80 P (U)

TREE: 642

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00822

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00823
CLSS: SRD 1
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 5907
DESC: Nuclear Weapon Effects materials plastics resins L1 X
RAYS
DESC: Nuclear Weapon Effects materials metals alloys L5
DESC: GAMMA ELECTRON PERMANENT DAMAGE CONVENTIONAL SIMULATION
; SUMMARY
DESC: Nuclear Weapon Effects materials fibers textiles L5
COTTON
REPN: REIC 3 C
SUJO: 3-242-000 ; 3-243-000 ; 3-244-000
TEMP: 25436
TITL: DOSE-RATE EFFECTS IN RADIATION DAMAGE (U), 20 P (SRD)

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00823

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00824
CLSS: SRD 1
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 6105
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width L1
DESC: Nuclear Weapon Environment Fallout beta intensities L1
DESC: Nuclear Weapon Environment Prompt Neutron dose rate
pulse width L1
DESC: Simulation Facilities Techniques TREE L5
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources 61 PULSED REACTOR DESCRIPTIONS
DESC: Simulation Facilities Techniques x-ray effects L5
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1

DESC: NEUTRON GAMMA TRANSIENTS PERMANENT DAMAGE CONVENTIONAL
SIMULATION ;

EXPERIMENTAL BIBLIOGRAPHY

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L1

DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1

REPN: REIC 6 C

SUJO: 1-110-000 ; 1-140-000 ; 1-710-000 ; 1-740-000 ;
2-223-300 ;

3-219-000 ; 3-221-000 ; 3-229-000 ; 4-231-000 ;
4-241-000 ;

4-272-000

TEMP: 25434

TITL: EFFECTS OF NUCLEAR-WEAPON BURSTS AND SIMULATED BURSTS ON
ELECTRONIC

COMPONENTS(U), 128 P (SRD)

TREE: 100

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00824

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00830

AUTH: RICHARDS P.I.

CLSS: U

CCDE: TECH OPS 2D HYDRO

CORP: TECHNICAL OPERATIONS, INC. (BURLINGTON, MASS.)

DATE: 6107

DESC: Radiation Transport gamma L5

DESC: 100 KRT

DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L1

REPN: TO B 61 41

SUJO: 2-611-000 ; 9-620-000

TITL: STUDY OF BOMB DEBRIS EFFECTS, SECOND PROGRESS REPORT (15
MAY TO 15

JULY 1961) (U), 12 P., (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00831

AUTH: RICHARDS P.I.
CLSS: U
CCDE: TECH OPS 2D HYDRO
CORP: TECHNICAL OPERATIONS, INC. (BURLINGTON, MASS.)
DATE: 6109
DESC: Radiation Transport gamma L5
DESC: Nuclear Weapon Phenomenology Fireball Chemistry L5
REPN: TO B 61 53
SUJO: 2-160-000 ; 9-620-000
TITL: STUDY OF BOMB DEBRIS EFFECTS, THIRD PROGRESS REPORT (15
JULY TO 15
SEPTEMBER 1961) (U), 27 P., (U)

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00831
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00832
AUTH: RICHARDS P.I.
CLSS: U
CCDE: TECH OPS 2D HYDRO
CORP: TECHNICAL OPERATIONS, INC. (BURLINGTON, MASS.)
DATE: 6111
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L1
DESC: Nuclear Weapon Phenomenology Fireball Chemistry L5
DESC: Radiation Transport gamma L5
DESC: Nuclear Weapon Environment Airblast dynamic pressure
PRESSURE.L1
REPN: TO B 61 67
SUJO: 2-160-000 ; 2-611-000 ; 2-612-000 ; 9-620-000
TITL: STUDY OF BOMB DEBRIS EFFECTS, FOURTH PROGRESS REPORT (15
SEPTEMBER
TO 15 NOVEMBER 1961) (U), 16 P., (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 00845
ADNO: 210766
AUTH: OESTMANN M.J. ; KIRCHER J.F.
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 5903
DESC: test instruments nuclear radiation neutron L1

DESC: SURVEY
 DESC: test instruments nuclear radiation gamma L1
 REPN: REIC 6 (ADDENDUM)
 SUJO: 4-341-000 ; 4-342-000
 TITL: SURVEY OF CURRENT RESEARCH AND DEVELOPMENTS IN THE FIELD
 OF
 DOSIMETRY, FIRST ADDENDUM (U), 16 P (U)
 TREE: 655
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 INUM: 00848
 CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
 DATE: 6106
 DESC: SUMMARY
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport L1
 REPN: REIC 22
 SUJO: 4-140-000
 TITL: RADIATION EFFECTS STATE OF THE ART, 1960-1961 (U), 52 P
 (U)
 TREE: 642
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 00848
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 copy: 1 id: 37905-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
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 INUM: 00849
 AUTH: KING R.W. ; BROADWAY N.J. ; PALINCHAK S.
 CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
 DATE: 6109
 DESC: Nuclear Weapon Effects materials plastics resins L1
 GAMMA NEUTRON
 PERMANENT DAMAGE CONVENTIONAL SIMULATION
 DESC: SUMMARY EXPERIMENTAL
 REPN: REIC 21
 SUJO: 3-244-000
 TITL: EFFECT OF NUCLEAR RADIATION ON ELASTOMERIC AND PLASTIC
 COMPONENTS
 AND MATERIALS (U), CIRCA 375 P (U)
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00850
AUTH: SHOBER F.R.
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 6109
DESC: SUMMARY TABULAR
DESC: Nuclear Weapon Effects materials metals alloys L1 STEEL
ZIRCONIUM
NICKEL COPPER BERYLLIUM ALUMINUM MAGNESIUM NEUTRON GAMMA
PERMANENT
DAMAGE CONVENTIONAL SIMULATION
REPN: REIC 20
SUJO: 3-243-000
TITL: EFFECT OF NUCLEAR RADIATION ON STRUCTURAL METALS (U),
192 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 00855
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 6109
DESC: test instruments nuclear radiation L1
DESC: BIBLIOGRAPHY
REPN: REIC 23
SUJO: 4-340-000
TITL: RADIATION DOSIMETRY, AN ANNOTATED BIBLIOGRAPHY (U), 240
P (U) 42 P,

(SRD)

TREE: 655 ; 150

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created: 12/27/1991 type: REPORT permanent
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INUM: 00864

AUTH: OESTMANN M.J.
 CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
 DATE: 6102
 DESC: Simulation Facilities Techniques nuclear radiation L1
 DESC: GAMMA FACILITIES ; SURVEY
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources L1
 REPN: REIC 16
 SUJO: 4-240-000 ; 4-241-000
 TITL: SURVEY OF IRRADIATION FACILITIES (U), 214 P (U)
 TREE: 642
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00886
 ADNO: 327354
 AUTH: TINNEY J.F.
 CLSS: (U)
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 6110
 DESC: Nuclear Test Simulation Field Programs experiment design
 rocket
 probe sounding rocket descriptions balloons L5
 DESC: JASON ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions L1
 REPN: AFSWC TR 61 92 ; SWC TR 61 92
 SHOT: ARGUS II
 SUJO: 2-311-000 ; 3-312-100 ; 4-820-900
 TEMP: 25573
 TITL: PERSONNEL HAZARDS ASSOCIATED WITH ARGUS ELECTRONS (U),
 26 P (U)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 00898

ADNO: 269849
AUTH: OPPENHEIM I.
CLSS: U
CONN: DA 04 495 ORD 3112 ; AF 19 (604) 7331
CORP: GD/CONVAIR DIVISION (SAN DIEGO-CA)
DATE: 6106
DESC: Composition Chemistry Atmosphere Reaction Rates L1
DESC: THEORY
DESC: Radiation Transport L1
DESC: Ionosphere normal properties L1
REPN: ZPH 108
SUJO: 5-400-000 ; 5-710-000 ; 9-600-000
TITL: TRANSPORT EQUATIONS FOR THE UPPER ATMOSPHERE (U), 41 P
(U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00909
ADNO: 268958
AUTH: ANTHONY A.E. JR.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6110
DESC: Radiation Transport neutron L1
DESC: THEORY TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L9 P 10
REPN: AFSWC TR 61 85 ; SWC TR 61 85
TSHO: HI-ALT
SUJO: 3-312-100 ; 9-650-000
TITL: TRANSPORT OF NEUTRONS THROUGH THE ATMOSPHERE FOR A BURST
HEIGHT OF 70,000 FEET(U), 49 P (U)

TREE: 970

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copy: 1 id: 37928-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00919
AUTH: LAMARSH J.R. ; LIEBERMAN A.I. ; CHESNUT W.G.
CLSS: SRD 1
CCDE: MCL-2

CONN: DA 30 069 501 ORD 2538
 CORP: GC DEWEY COMPANY (NEW YORK-NY)
 DATE: 5905
 DESC: STATISTICS ; THEORY CODE
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport L1
 REPN: GCD LOG 143
 SUJO: 4-140-000
 TEMP: 25621
 TITL: FIRST QUARTERLY PROGRESS REPORT (U), 27 P (SRD)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00920
 AUTH: CHESNUT W.G. ; LIEBERMAN A.I. ; LAMARSH J.R. ; SCHWARTZ
 J.L.
 CLSS: SRD 1
 CCDE: MCL-1 ; MCL-2
 CONN: DA 30 069 501 ORD 2538
 CORP: GC DEWEY COMPANY (NEW YORK-NY)
 DATE: 5908
 DESC: THEORY CODE
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport L1
 REPN: GCD LOG 177
 SUJO: 4-140-000
 TEMP: 25622
 TITL: SECOND QUARTERLY PROGRESS REPORT (U), 23 P (SRD)
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 INUM: 00921
 CLSS: SRD 1
 CCDE: MCL-2
 CONN: DA 30 069 501 ORD 2538
 CORP: GC DEWEY COMPANY (NEW YORK-NY)
 DATE: 5911
 DESC: Radiation Transport neutron L1
 DESC: Nuclear Weapon Effects space systems L1
 DESC: PERMANENT DAMAGE NUCLEAR WEAPONS X-RAY NEUTRON ; THEORY

CODE

DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
REPN: GCD LOG 226
SUJO: 3-114-000 ; 3-161-000 ; 9-650-000
TEMP: 25623
TITL: THIRD QUARTERLY PROGRESS REPORT (U), 19 P (SRD)

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copy: 1 id: 37933-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: 00923-02

CLSS: SRD 1

CONN: DA 30 069 501 ORD 2538

CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6003

DESC: Nuclear Weapon Effects structures aboveground models
cylinders cones
rings L1 X-RAY

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

DESC: THEORY

REPN: GCD LOG 294

SUJO: 3-259-400 ; 4-140-000

TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF

NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT

NO. 2, 1

MARCH 1960 TO 31 MARCH 1960 (U), 13 P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00923-05

CLSS: SRD 1

CONN: DA 30 069 501 ORD 2538

CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6006

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

REPN: GCA LOG 323

SUJO: 4-140-000

TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE

USE OF
 NO. 5, 1 NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
 JUNE 1960 30 JUNE 1960 (U), 6 P (SRD)

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 created: 12/27/1991 type: REPORT permanent
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INUM: 00923-06
 CLSS: SRD 1
 CONN: DA 30 069 501 ORD 2538
 CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
 DATE: 6007
 DESC: THEORY
 DESC: Radiation Transport x-ray L1
 DESC: Nuclear Weapon Effects ordnance bombs mines warheads
 X-RAY NEUTRON
 LETHAL RANGE
 REPN: GCD LOG 330
 SUJO: 3-161-000 ; 9-640-000
 TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
 USE OF
 NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
 NO. 6, 1
 JULY 1960 31 JULY 1960 (U), 15 P (SRD)

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 created: 12/27/1991 type: REPORT permanent
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INUM: 00923-07
 CLSS: SRD 1
 CONN: DA 30 069 501 ORD 2538
 CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
 DATE: 6008
 DESC: Radiation Transport neutron L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1
 DESC: THEORY
 REPN: GCD LOG 331
 SUJO: 1-110-000 ; 9-650-000
 TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
 USE OF
 NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT

NO 7, 1

AUGUST 1960 31 AUGUST 1960 (U), 6 P (SRD)

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00923-07

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copy: 1 id: 37941-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00923-08

CLSS: SRD 1

CONN: DA 30 069 501 ORD 2538

CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6009

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

REPN: GCD LOG 345

SUJO: 4-140-000

TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF

NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT

NO. 8, 1

SEPTEMBER 1960 30 SEPTEMBER 1960 (U), 10 P (SRD)

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copy: 1 id: 37942-1001 library: DOCUMENT price: \$.00

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created: 12/27/1991 type: REPORT permanent

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INUM: 00923-09

CLSS: SRD 1

CONN: DA 30 069 501 ORD 2538

CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6010

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

REPN: GCD LOG 367

SUJO: 4-140-000

TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF

NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT

NO. 9, 1

OCTOBER 1960 31 OCTOBER 1960 (U), 5 P (SRD)

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created: 12/27/1991 type: REPORT permanent
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INUM: 00923-10
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6011
DESC: Cross Sections x-ray L1
DESC: THEORY
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
NEUTRON
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L5
DESC: Radiation Transport neutron L1
REPN: GCD LOG 390
SUJO: 3-161-000 ; 4-836-000 ; 9-650-000 ; 9-840-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 10, 1
NOVEMBER 1960 30 NOVEMBER 1960 (U), 4 P (SRD)

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copy: 1 id: 37944-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 00923-12
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6101
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
REPN: GCD LOG 420
SUJO: 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 12, 1
JANUARY 1961 31 JANUARY 1961 (U), 16 P (SRD)

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00923-12
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copy: 1 id: 37946-1001 library: DOCUMENT price: \$.00

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created: 12/27/1991 type: REPORT permanent
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INUM: 00923-14
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6103
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
REPN: GCD LOG 437
SUJO: 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 14, 1
MARCH 1961 31 MARCH 1961 (U), 41 P (SRD)

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00923-14
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copy: 1 id: 37948-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00923-15
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6104
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
REPN: GCD LOG 463
SUJO: 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 15, 1
APRIL 1961 30 APRIL 1961 (U), 12 P (SRD)

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copy: 1 id: 37949-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00923-17
CLSS: SRD 1

CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6106
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
DESC: Nuclear Weapon Effects ordnance explosives L1 X-RAY
DESC: THEORY
REPN: GCD LOG 489
SUJO: 3-163-000 ; 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 17, 1
JUNE 1961 30 JUNE 1961 (U), 9 P (SRD)

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copy: 1 id: 37951-1001 library: DOCUMENT price: \$.00
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INUM: 00923-18
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6107
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
DESC: Nuclear Weapon Effects ordnance explosives L1 X-RAY
DESC: THEORY
REPN: GCD LOG 491
SUJO: 3-163-000 ; 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF
NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 18, 1
JULY 1961 31 JULY 1961 (U), 9 P (SRD)

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INUM: 00923-21
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6112
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear radiation transport L1
REPN: GCD LOG 558
SUJO: 4-140-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS
REPORTS NOS. 22
AND 23, 1 NOVEMBER 1961 31 DECEMBER 1961 (U), 4 P (SRD)

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created: 12/27/1991 type: REPORT permanent
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INUM: 00923-22
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
DATE: 6201
DESC: Radiation Transport neutron L1
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
NEUTRONS
DESC: THEORY
REPN: GCD LOG 563
SUJO: 3-161-000 ; 9-650-000
TITL: APPLIED PHYSICS STUDIES OF PROBLEMS ASSOCIATED WITH THE
USE OF NUCLEAR WEAPONSIN AIR DEFENSE, TECHNICAL PROGRESS REPORT
NO. 24, 1
JANUARY 1962 31 JANUARY 1962 (U), 8 P (SRD)

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00923-22

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created: 12/27/1991 type: REPORT permanent
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INUM: 00924
AUTH: CHESNUT W.G.
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY COMPANY (NEW YORK-NY)
DATE: 5905
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
L1
DESC: Radiation Transport x-ray L1

DESC: Cross Sections x-ray L1
DESC: THEORY
DESC: Nuclear Weapon Environment X-ray Output rate L1
DESC: Nuclear Weapon Environment X-ray Output source strength
total

intensity L1
REPN: TN 59 01 ; GCD LOG 141
SUJO: 1-610-000 ; 1-620-000 ; 1-640-000 ; 9-640-000 ;
9-840-000
TEMP: 25647
TITL: CLASSIFIED TITLE (U), 36 P (SRD)
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00924
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copy: 1 id: 37957-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 00925
AUTH: LAMARSH J.R.
CLSS: SRD 1
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY COMPANY (NEW YORK-NY)
DATE: 6007
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
NEUTRON
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L9 P 15
DESC: THEORY
DESC: Radiation Transport neutron L1
REPN: GCD LOG 328
SUJO: 1-120-000 ; 3-161-000 ; 9-650-000
TEMP: 25648
TITL: MONTE CARLO CALCULATIONS OF NEUTRON PENETRATION INTO
NUCLEAR
WARHEADS (U), 29 P (SRD)

TREE: 970
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00925
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copy: 1 id: 37958-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 00926
AUTH: LAMARSH J.R. ; LIEBERMAN A.I.
CLSS: U
CCDE: MCC-1 ; MCC-2
CONN: DA 30 069 501 ORD 2538
CORP: G.C. DEWEY COMPANY (NEW YORK-NY)

DATE: 6008
 DESC: Radiation Transport neutron L1
 DESC: CODE
 SUJO: 9-650-000
 TEMP: 25649
 TITL: TWO MONTE CARLO CODES FOR NEUTRON TRANSPORT IN SPHERICAL
 SYSTEMS
 (U), 24 P (U)
 TREE: 970
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 00926
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 copy: 1 id: 37959-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00927
 AUTH: AYRES R.U.
 CLSS: SRD 1
 CONN: DA 30 069 501 ORD 2538
 CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
 DATE: 6105
 DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
 Temperature
 Density Particle Velocities L1 TEMPERATURE
 DESC: THEORY
 REPN: TN 61 25 ; GCD LOG 460
 SUJO: 2-130-000
 TEMP: 25650
 TITL: RADIATION FROM A NUCLEAR DEVICE (U), 15 P (SRD)
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 00927
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 copy: 1 id: 37960-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 00929
 ADNO: 391068L
 AUTH: CHESNUT W.G.
 CLSS: SRD 1
 CONN: DA 30 069 ORD 2538
 CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)
 DATE: 6110
 DESC: Nuclear Weapon Environment X-ray Output energy spectrum
 L1
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 L1
 DESC: Cross Sections x-ray L1

DESC: Nuclear Weapon Environment X-ray Output rate L1
DESC: Nuclear Weapon Environment X-ray Output source strength
total intensity L1

DESC: Nuclear Weapon Effects materials metals alloys L1 CARBON
ALUMINUM

LEAD SILICON OXIDE

DESC: Radiation Transport x-ray L1

DESC: X-RAY ; THEORY

REPN: GCD LOG 548 ; R 118 061 02

SUJO: 1-610-000 ; 1-620-000 ; 1-640-000 ; 3-243-000 ;
9-640-000 ;

9-710-000 ; 9-840-000

TEMP: 25652

TITL: STUDY OF NUCLEAR WEAPON PHENOMENA IN SPACE WARFARE (U),
196 P (SRD)

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00929

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copy: 1 id: 37962-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00958

AUTH: RICHARDS P.I.

CLSS: U

CCDE: ZZ(INITIAL CONDITIONS)

CONN: DA 19 020 ORD 5408

CORP: TECHNICAL OPERATIONS INCORPORATED (BURLINGTON-MA)

DATE: 6205

DESC: Composition Chemistry Atmosphere Reaction Rates L1

DESC: THEORY

DESC: Nuclear Weapon Phenomenology Fireball Chemistry L1

REPN: TO B 62 24

SUJO: 2-160-000 ; 5-400-000

TITL: SUMMARY REPORT ON INVESTIGATION OF RADIATION AND
CHEMICAL

CALCULATIONS (U), CIRCA 120 P (U)

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00958

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copy: 1 id: 37974-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 00966

AUTH: TORREY M.D.

CLSS: C

CCDE: TECH OPS 2D HYDRO

CORP: TECHNICAL OPERATIONS, INC. (BURLINGTON, MASS.)

DATE: 6206
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Radiation Transport gamma L5
DESC: NIKE
REPN: TO B 62 34
TSHO: HI-ALT
SUJO: 2-611-000 ; 9-620-000
TEMP: 27074
TITL: STUDY OF BOMB DEBRIS EFFECTS, INTERIM PROGRESS REPORT
(15 MARCH TO
15 JUNE 1962), (U), 3 P., (S)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 00984
AUTH: HERSHEY T.L.
CLSS: SRD 1
CORP: AIR FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT-PATTERSON
AFB-O4) ; AIR
FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT-PATTERSON
AFB-OH)
DATE: 6111
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy
Coupling L1
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Nuclear Weapon Environment Visible Output source
strength total
intensity L1
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L1
DESC: Radiation Transport thermal L1
DESC: Nuclear Weapon Effects materials metals alloys L1 IRON
ALUMINUM
COPPER BERYLLIUM LEAD STAINLESS STEEL MOLYBDENUM
TITANIUM ZINC
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature
Density Particle Velocities L1
DESC: THERMAL ; SUMMARY THEROY EXPERIMENTAL
DESC: equation of state heat of vaporization thermal
conductivity opacity
L1
REPN: WADD TR 61 69
SHOT: MET ; ERIE ; MOHAWK ; SMOKY
TSHO: LOW-ALT
SUJO: 1-410-000 ; 2-110-000 ; 2-130-000 ; 2-150-000 ;

3-243-000 ;
 3-244-000 ; 9-610-000 ; 9-710-000
 TEMP: 25953
 TITL: SUMMARY OF STUDIES ON THERMAL ABLATION FROM NUCLEAR
 FIREBALLS (U),
 234 P (SRD)
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 00984
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 00990
 AUTH: JOHNSON G.L. ; DYCE R.B.
 CLSS: S
 CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
 DATE: 6200
 DESC: nuclear test detection trapped radiation L1
 DESC: RUSSIAN TEST DETECTION ; INJUN 1 (SATELLITE) ;
 EXPERIMENTAL
 REPN: SRI 2 177
 SUJO: 4-910-700
 TEMP: 25181
 TITL: PRELIMINARY RESULTS FROM THE STUDY OF INJUN I SATELLITE
 RECORDS
 COVERING THE PERIOD OF THE SOVIET NUCLEAR TESTS (U), 15
 P (S)
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 00990
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 01024
 ADNO: 369263
 AUTH: HALLMAN T.M.
 CLSS: SRD 1
 CONN: AF 29 (601) 5184
 CORP: NORTHROP CORPORATION/RADIOPLANE DIVISION (VAN NUYS-CA)
 ; AIR
 FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
 DATE: 6204
 DESC: Nuclear Test Simulation Field Programs experiment design
 gamma
 experiments L1
 DESC: Nuclear Weapon Test cost L1
 DESC: Nuclear Weapon Test site layout L1
 REPN: RADIOPLANE R 2550 ; AFSWC TDR 62 36 ; SWC TDR 62 36

SUJO: 4-820-400 ; 4-854-000 ; 4-855-000
 TEMP: 27158
 TITL: BUNKER DESIGN AND INSTRUMENT LAYOUT FOR TRANSIENT
 RADIATION EFFECTS
 STUDIES INA NUCLEAR ENVIRONMENT (U), 41 P (SRD)
 TREE: 641
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 01024
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 01043
 AUTH: GAUVIN H.P. ; CAHILL J.P. ; SCANLON R. ; DAVIDSON G. ;
 CARPENTER
 R.O. ; KOFSKYI. ; GATES D.
 CLSS: SRD 1
 CORP: DEFENSE ATOMIC SUPPORT AGENCY (ALBUQUERQUE-NM)
 DATE: 6204
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions L1
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry x-ray
 L1
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum L1
 DESC: Nuclear RDT&E Research Program Descriptions x-ray
 effects L1
 DESC: test instruments IR L1
 DESC: Nuclear Test Simulation Field Programs experiment design
 aerospace
 systems L5
 DESC: PRETEST REPORT ; THEORY
 DESC: Nuclear Test Simulation Field Programs experiment design
 optical
 radiation experiments UV visible IR L5
 PROJ: 8A.1
 SHOT: BLUEGILL ; STARFISH
 TSHO: HI-ALT
 SUJO: 2-211-000 ; 2-311-000 ; 2-312-400 ; 4-130-000 ;
 4-383-000 ;
 4-820-600 ; 4-829-100
 TEMP: 27213
 TITL: HIGH ALTITUDE NUCLEAR DETONATION OPTICAL/INFRARED
 EFFECTS, OPERATION
 FISH BOWL, PRE-TEST REPORT, PROJECT 8A.1 (U), 119 P
 (SRD)
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 01043

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created: 12/27/1991 type: REPORT permanent
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INUM: 01044
AUTH: HANSEN D.F. ; SHULER M.P.
CLSS: SRD 1
CORP: E G AND G INCORPORATED (BOSTON-MA)
DATE: 6205
DESC: PRETEST REPORT
DESC: Nuclear Test Simulation Field Programs experiment design
photography

L1
DESC: Nuclear Test Simulation Field Programs experiment design
optical

radiation experiments UV visible IR L1
REPN: EGG B 2432
PROJ: 8A.2
SHOT: BLUEGILL ; STARFISH
TSHO: HI-ALT
SUJO: 4-820-600 ; 4-826-000
TEMP: 27212
TITL: OPTICAL PHENOMENOLOGY OF HIGH-ALTITUDE NUCLEAR
DETONATIONS,
OPERATION FISHBOWL, PRE-TEST REPORT, PROJECT 8A.2 (U),
47 P (SRD)

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created: 12/27/1991 type: REPORT permanent
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INUM: 01045
AUTH: ADAMS F.D. ; ANNIS M. ; ANDERSON O.R. ; ASHLEY L. ;
CARPENTER J.W. ;
CICERO A.B. ; COBB C.M. ; DE CAPRIO A.R. ; FAHRENHOLZ
F.E. ;
FRYKLUND G.G. ; VRABLIK G.R. ; WILFERT A. ; CLARK G.W.
; WATSON B. ;
ZOTOS J.
CLSS: SRD 1
CORP: AIR FORCE AERONAUTICAL SYSTEMS DIVISION
(WRIGHT-PATTERSON AFB-OH) ;
AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MA) ;
MASSACHUSETTS INSTITUTE OF TECHNOLOGY (CAMBRIDGE-MA) ;
HARVARD
UNIVERSITY (BOSTON-MA) ; NORTHEASTERN UNIVERSITY

(BOSTON-MA)
 DATE: 6200
 DESC: Nuclear Test Simulation Field Programs experiment design
 aerospace systems L5
 DESC: Nuclear Test Simulation Field Programs experiment design
 materials L5
 DESC: Nuclear Test Simulation Field Programs experiment design
 rocket probe sounding rocket descriptions balloons L5
 DESC: Nuclear Weapon Environment Thermal Output rate L1
 DESC: Nuclear Weapon Environment X-ray Output energy spectrum
 L1
 DESC: Nuclear Test Simulation Field Programs experiment design
 x-ray experiments L5
 DESC: PRETEST REPORT
 PROJ: 8A.3
 SHOT: BLUEGILL ; STARFISH
 TSHO: HI-ALT
 SUJO: 1-240-000 ; 1-620-000 ; 4-820-500 ; 4-820-900 ;
 4-829-100 ; 4-829-600
 TEMP: 27211
 TITL: STRUCTURAL RESPONSE TO THERMAL RADIATION FROM A HIGH
 ALTITUDE FIREBALL, OPERATION FISHBOWL, SHOT BLUEGILL, PRE-TEST
 REPORT, PROJECT 8A.3 (U), 86 P (SRD)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 01093
 ADNO: 328749
 AUTH: SANFORD J.R.
 CLSS: U
 CONN: AF 33 (616) 7384
 CORP: GENERAL ELECTRIC COMPANY/ADVANCED ELECTRONICS CENTER
 (ITHACA-NY) ;
 AIR FORCE/NAVIGATION & GUIDANCE LABORATORY (WRIGHT
 PATTERSON-OH)
 DATE: 6112
 DESC: Nuclear Weapon Effects materials plastics resins L1
 DESC: ignition flammability ablation L1
 DESC: Nuclear Weapon Effects materials metals alloys L1 CARBON
 STEEL STAINLESS STEEL MAGNESIUM ALUMINUM COPPER IRON TITANIUM

CHROMIUM
 NICKEL SILVER BERYLLIUM CADMIUM TIN ZINC LEAD MOLYBDENUM
 TUNGSTEN
 GOLD PLATINUM TANTALUM
 DESC: X-RAY ; THEORY
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 L1
 DESC: Nuclear Weapon Effects ordnance explosives L1
 DESC: Nuclear Weapon Effects materials wood paper cellulose
 films L1
 REPN: ASD TDR 62 86 VOL 4 ; CH CPR 863 VOL 4
 SUJO: 3-163-000 ; 3-243-000 ; 3-244-000 ; 3-246-000 ;
 9-710-000 ;
 9-730-000
 TEMP: 27554
 TITL: RADIATION WEAPON EQUATIONS AND PARAMETERS, VOLUME FOUR
 DAMAGE
 MECHANISMS AND WEAPON EFFECTIVENESS (U), 202 P (S)
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 01093
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 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 01097
 AUTH: POLL R.A. ; VAN LINT V.A.J.
 CLSS: U
 CONN: AF 29 (601) 4953
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 6206
 DESC: Nuclear Weapon Effects materials ceramics optical L1
 QUARTZ
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 DESC: Nuclear Weapon Effects electronic pieceparts measuring
 devices
 sensors detectors L1 PRESSURE TRANSDUCERS
 DESC: NUCLEAR RADIATION TRANSIENTS CONVENTIONAL SIMULATION ;
 EXPERIMENTAL
 REPN: AFSWC TDR 62 63 ; SWC TDR 62 63
 SUJO: 3-224-000 ; 3-231-000 ; 3-241-000
 TITL: TRANSIENT RADIATION EFFECTS IN PRESSURE TRANSDUCERS (U),
 65 P (U)
 TREE: 363
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 01097
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 copy: 1 id: 38031-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01101
AUTH: VAN LINT V.A.J. ; ROES J. ; WILLIS D.E.
CLSS: U
CONN: AF 29 (601) 2818
CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CA) ; AIR
FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6206
DESC: GAMMA TRANSIENTS CONVENTIONAL SIMULATION ; EXPERIMENTAL
THEORY
DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L5 APPENDIX A
REPN: AFSWC TDR 62 29 ; SWC TDR 62 29
SUJO: 3-221-000 ; 3-223-000
TEMP: 27440
TITL: EFFECT OF PULSED GAMMA RADIATION ON INFRARED DETECTORS
(U), 75 P (U)
TREE: 361

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01101

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copy: 1 id: 38032-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01101SUPPL
AUTH: VAN LINT V.A.J. ; ROES J. ; WILLIS D.E.
CLSS: U
CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CA) ; AIR
FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6206
DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1
DESC: GAMMA TRANSIENTS CONVENTIONAL SIMULATION ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems guidance
control L1
REPN: AFSWC TDR 62 29 SUPPL ; SWC TDR 62 29 SUPPL
SUJO: 3-211-000 ; 3-223-000
TEMP: 27440 SUPPL.
TITL: EFFECT OF PULSED GAMMA RADIATION ON INFRARED DETECTORS,
SUPPLEMENT
(U), 50 P (S)
TREE: 361
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01101SUPPL
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copy: 1 id: 38033-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 01124
AUTH: HAMMAN D.J. ; WYLER E.N. ; CHAPIN W.E. ; VEAZIE W.H. JR.
; SHOBER
F.R. ; REID F.J. ; KALADOW J. ; REDMOND R. ; GILLETTE
H.C. ; WORLS
E.G.
CLSS: U
CONN: AF 33 (616) 7375
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 6206
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Nuclear Weapon Effects materials ceramics optical L1
DESC: Nuclear Weapon Effects materials carbon L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1
DESC: Nuclear Weapon Effects materials metals alloys L1
DESC: NUCLEAR RADIATION PERMANENT DAMAGE ; SURVEY
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: REIC 24
SUJO: 3-221-000 ; 3-224-000 ; 3-229-000 ; 3-231-000 ;
3-241-000 ;
3-243-000 ; 3-244-000 ; 3-248-000 ; 5-800-000
TITL: RADIATION EFFECTS STATE OF THE ART, 1961-1962 (U), 94 P
(U)
TREE: 300

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01124
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copy: 1 id: 38035-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01143

CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
 DATE: 6203
 DESC: SURVEY
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport L1
 DESC: Nuclear RDT&E Research Program Descriptions electronic
 vulnerability
 L1
 REPN: REIC MEMO 10 C
 SUJO: 4-140-000 ; 4-170-000
 TEMP: 25742
 TITL: NUCLEAR RADIATION EFFECTS PROJECTS (U), 82 P (U)
 TREE: 642
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 01143
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 copy: 1 id: 38037-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 01154
 AUTH: SANFORD J.R.
 CLSS: C 3
 CONN: AF 33 (616) 7384
 CORP: GENERAL ELECTRIC COMPANY/ADVANCED ELECTRONICS CENTER
 (ITHACA-NY) ;
 AIR FORCE/NAVIGATION + GUIDANCE LABORATORY
 (WRIGHT-PATTERSON-OH)
 DATE: 6112
 DESC: Simulation Facilities Techniques EMP L1
 REPN: ASD TDR 62 36 V2 ; ASD TDR 62 86 V.2
 SUJO: 4-271-000
 TEMP: 27628
 TITL: RADIATION WEAPON EQUATIONS AND PARAMETERS, VOLUME TWO
 ENERGY SOURCES
 (U), 89P (C)
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 01154
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 01155
 ADNO: 328746
 AUTH: SANFORD J.R.
 CLSS: S 3
 CONN: AF 33 (616) 7384

CORP: GENERAL ELECTRIC COMPANY/ADVANCED ELECTRONICS CENTER
(ITHACA-NY) ;
AIR FORCE/NAVIGATION + GUIDANCE LABORATORY
(WRIGHT-PATTERSON-OH)
DATE: 6112
DESC: Simulation Facilities Techniques EMP L1
REPN: ASD TDR 62 86 1 ; CH CPR 863 1
SUJO: 4-271-000
TEMP: 27626
TITL: RADIATION WEAPON EQUATIONS AND PARAMETERS, VOLUME
ONE-PROGRAM RESUME
(U), 32 P (S)

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01155
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01186
AUTH: CAHILL J.P. ; GAUVIN H.P. ; JOHNSON J.C.
CLSS: U
CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MA)
DATE: 6204
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1
DESC: Nuclear Weapon Environment Thermal Output L 1
TRANSMISSION FACTORS
DESC: THEOY
REPN: AFCRL 62 456
TSHO: SURFACE ; LOW ALT
SUJO: 1-200-000 ; 5-200-000
TITL: EFFECTIVE TRANSMISSION OF THERMAL RADIATION FROM NUCLEAR
DETONATIONS
REAL ATMOSPHERES (U), 72 P, (U)

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01186
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copy: 1 id: 38050-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01208
ADNO: 365378
AUTH: MORGAN D.T. ; BOLGER J.C. ; WASSIL G.N. ; BIXLER H.J.
CLSS: SRD 1
CONN: AF 29 (601) 4526
CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/WEAPONS
LABORATORY
(KIRTLAND AIR FORCE BASE-NM)

DATE: 6209
DESC: Nuclear Weapon Effects materials plastics resins L1
CHOPPED NYLON
PHENOLIC
DESC: Nuclear Weapon Effects reentry systems RV L1 HEAT SHIELD
DESC: X-RAY NUCLEAR RADIATION PERMANENT DAMAGE CONVENTIONAL
SIMULATION ;
EXPERIMENTAL
REPN: AFSWC TDR 62 70 ; SWC TDR 62 70 ; RAD TR 62 38
SUJO: 3-113-000 ; 3-244-000
TEMP: 27966
TITL: LATE-TIME EFFECTS OF X-RAYS ON HEAT-SHIELD MATERIALS
(U), 136 P

(SRD)

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01208

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copy: 1 id: 38061-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01236
AUTH: HENDRICK R.W. JR.
CLSS: U
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6211
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping L1

ELECTRONS

DESC: THEORY

DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1

REPN: SP 202

SUJO: 2-217-000 ; 5-800-000

TITL: OMNIDIRECTIONAL FLUX FROM BETA-RAY SOURCE (U), 8 P (U)

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01236

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copy: 1 id: 38071-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01237
AUTH: TORREY M.
CLSS: U
CCDE: TECH OPS 2D HYDRO
CORP: TECHNICAL OPERATIONS, INC. (BURLINGTON, MASS.)
DATE: 6211
DESC: Radiation Transport gamma L5

DESC: Nuclear Weapon Phenomenology Fireball Chemistry L5
REPN: TO B 62 72
SUJO: 2-160-000 ; 9-620-000
TITL: STUDY OF BOMB DEBRIS EFFECTS, FIRST PROGRESS REPORT (14
SEPTEMBER TO
30 OCTOBER 1962) (U), 5 P., (U)

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copy: 1 id: 38072-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 01245
AUTH: BADE W.L. ; YOS J.M. ; AVERELL J.P.
CLSS: SRD 1
CCDE: ZZ(BLOWOFF, IMPULSE PHENOMENA, PULSE MOMENTUM)
CONN: AF 29 (601) 4525
CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/WEAPONS
LABORATORY
(KIRTLAND AIR FORCE BASE-NM)

DATE: 6210

DESC: Nuclear Weapon Effects materials metals alloys L1
ALUMINUM BERYLLIUM
GOLD

DESC: Nuclear Weapon Effects materials plastics resins L1

DESC: RV MATERIALS X-RAY NUCLEAR RADIATION PERMANENT DAMAGE ;
THEORY CODE

REPN: AFSWC TDR 62 92 ; SWC TDR 62 92

SUJO: 3-243-000 ; 3-244-000

TEMP: 29246

TITL: ANALYTICAL THEORY OF X-RAY EFFECTS, FINAL REPORT (U),
423 P (SRD)

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copy: 1 id: 38075-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01256
ADNO: 339847
AUTH: CICERO A.B. ; FRYKLUND G.G. ; TAYLOR J.R.
CLSS: SRD 1
CONN: AF 33 (616) 7540
CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MA) ; AIR
FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT-PATTERSON
AFB-OH)
DATE: 6208

DESC: Nuclear RDT&E Research Program Descriptions x-ray
 effects L1
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1
 DESC: Nuclear RDT&E Research Program Descriptions thermal
 optical L1
 DESC: INTERMEDIATE RANGE OBSERVATION THERMAL
 DESC: Nuclear Weapon Effects materials metals alloys L1
 DESC: Nuclear Weapon Environment X-ray Output source strength
 total
 intensity L1
 DESC: Nuclear Weapon Effects materials plastics resins L9 P
 105
 REPN: ASD TR 61 230
 SHOT: TEAK ; SMOKY
 TSHO: HI-ALT ; LOW-ALT
 SUJO: 1-210-000 ; 1-610-000 ; 3-243-000 ; 3-244-000 ;
 4-130-000 ;
 4-180-000
 TEMP: 29197
 TITL: THERMAL AND X-RADIATION MEASUREMENTS IN THE SHOT TEAK
 FIREBALL (U),
 109 P (SRD)
 TREE: 930
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 01256
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 01269
 AUTH: BALSER M. ; PANNELL J.H.
 CLSS: SFRD 1
 CONN: AF 19 (628) 500
 CORP: LINCOLN LABORATORY (LEXINGTON-MA)
 DATE: 6211
 DESC: PALMYRA ISLAND ; EXPERIMENTAL
 DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
 EMP L1
 REPN: PA 21 2 (BMRS)
 SHOT: STARFISH
 TSHO: HI-ALT
 SUJO: 2-510-000
 TEMP: 29333
 TITL: SYNCHROTRON RADIATION FROM STAR FISH PRIME, OPERATION
 FISH BOWL (U),
 40 P (SFRD)
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 01269
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DESC: Cross Sections gamma
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total intensity
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 DESC: EXPERIMENTAL THEORY
 DESC: Cross Sections neutron
 REPN: AFSWC TDR 61 106 VOL 1 ; SWC TDR 61 106 VOL 1
 SHOT: OWENS ; HOOD ; WILSON ; CHARLIE(B-J) ; ITEM ;
 CHARLIE(T-S) ; LAPLACE
 ; BAKER(B-J) ; UNION ; KOON ; NAVAJO ; DAKOTA ; FLATHEAD
 ; ZUNI ;
 CHEROKEE ; MIKE ; KING
 TSHO: LOW-ALT ; WATER-SURFACE ; SURFACE
 SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 2-223-200 ;
 2-223-420 ;
 9-820-000 ; 9-830-000
 TEMP: 45961
 TITL: PROCEDURES FOR CALCULATING NUCLEAR RADIATION DOSE AND
 DOSE RATES
 FROM NUCLEAR WEAPONS DETONATED IN THE LOWER ATMOSPHERE,
 VOLUME 1,
 FINAL REPORT (U), 247 P (SRD)
 TREE: 910 ; 920
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 03448-1
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 copy: 1 id: 39468-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 03448-2
 ADNO: 356875
 AUTH: BUTLER G. JR., CONTRERAS L.M., MOSHOFSKY R.P.
 CLSS: SRD
 CCDE: ZZ (CALCULATION OF DOSE AND DOSE RATES AT A SERIES OF
 FIXED
 HORIZONTAL RANGES AT A FIXED ALTITUDE CALCULATION OF
 DOSE AND DOSE
 RATES TO A RECEIVER MOVING ALONG AN ARBITRARY
 TRAJECTORY)
 CONN: AF 29 601 4128
 CORP: BOEING COMPANY (SEATTLE-WA), AIR FORCE/WEAPONS
 LABORATORY (KIRTLAND
 AFB-NM)
 DATE: 6111
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra

DESC: Nuclear Weapon Environment radiation decay gamma decay
 DESC: Cross Sections gamma
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: CODE
 DESC: Cross Sections neutron
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 REPN: AFSWC TDR 61 106 VOL 2 ; SWC TDR 61 106 VOL 2
 SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 2-223-200 ;
 2-223-420 ;
 9-820-000 ; 9-830-000
 TEMP: 45962
 TITL: PROCEDURES FOR CALCULATING NUCLEAR RADIATION DOSE AND
 DOSE RATES
 FROM NUCLEAR WEAPONS DETONATED IN THE LOWER ATMOSPHERE,
 VOLUME II,
 FINAL REPORT (U), 210 P (SRD)
 TREE: 910 ; 920
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 03448-2
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 03651
 ADNO: 361978L
 AUTH: TOMA J.S. ; HARRINGTON R.R. ; WILLIAMS J.R.
 CLSS: SRD
 CORP: AIR FORCE/SYSTEMS COMMAND (WASHINGTON-DC)
 DATE: 6206
 DESC: Nuclear weapon test yield
 DESC: Nuclear Weapon Effects EM Propagation absorption
 blackout
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: SURVEY
 DESC: Nuclear Warfare Strategic operations scenarios
 battlefield
 environment L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity
 DESC: Nuclear Weapon Environment Water Shock motion surface
 waves runup
 DESC: Nuclear Weapon Environment Airblast static overpressure

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copy: 1 id: 38082-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01302
AUTH: TAMARKIN P.
CLSS: SRD 1
CONN: AF 49 (638) 500
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 5901
DESC: Nuclear Weapon Effects EM Propagation reflection clutter
fireball
disturbed ionosphere L1
DESC: Nuclear Weapon Effects EM Propagation absorption
blackout L1
DESC: QUICK KEY ; SURVEY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC: radio microwave propagation abnormal conditions auroral
disturbances
sudden ionospheric disturbances SID polar cap
absorptions PCA solar
eclipse L1
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: R 334 ARPA ; QUICK KEY R 5
SHOT: TEAK ; ORANGE
TSHO: HI-ALT
SUJO: 2-321-100 ; 2-321-310 ; 2-420-000 ; 2-510-000 ;
5-738-000 ;
5-800-000
TEMP: 21646
TITL: SUMMARY OF PROJECT QUICK KEY ACTIVITIES (U), CIRCA 400
P (SRD)

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01302
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copy: 1 id: 38089-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01309
AUTH: CICERO A.B. ; TAYLOR J.R.
CLSS: SRD 1
CONN: DA 19 020 ORD 5377
CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MA)
DATE: 6209

DESC: Cross Sections x-ray L1
 DESC: Radiation Transport x-ray L1
 DESC: Solid Mechanics L1
 DESC: X-RAY ; THEORY
 DESC: Nuclear Weapon Effects reentry systems RV L1
 REPN: ASE 275
 TSHO: HI-ALT
 SUJO: 3-113-000 ; 9-200-000 ; 9-640-000 ; 9-840-000
 TEMP: 29437
 TITL: EARLY RADIATION EMITTED BY A FIREBALL IN THE
 INTERMEDIATE ALTITUDE
 RANGE AND THE INDUCED STRUCTURAL LOADINGS (U), 179 P
 (SRD)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 01393
 AUTH: GRAN W.M.
 CLSS: SFRD 1
 CONN: AF 33 (657) 8438
 CORP: COOK TECHNOLOGICAL CENTER (MORTON GROVE-IL) ; AIR
 FORCE/AERONAUTICAL
 SYSTEMS DIVISION (WRIGHT-PATTERSON AFB-OH)
 DATE: 6212
 EFFT: air-blast; thermal
 DESC: Nuclear Weapon Effects flight systems airplanes L1
 DESC: Nuclear Weapon Environment Airblast static overpressure
 L1 Weapon
 Output Thermal L1
 REPN: ASD TDR 62 823 ; 62 ASWKS 746
 SHOT: QUESTA ; AZTEC ; MESILLA ; ENCINO ; NAMBE ; ALMA ; YESO
 ; RINCONADA
 ; BIGHORN
 TSHO: LOW-ALT
 SUJO: 2-611-000 ; 3-111-000 ; 4-829-100 ; 1-210-000 ;
 1-240-000
 TEMP: 31057
 TITL: THERMAL RADIATION FROM AIR BURST NUCLEAR WEAPONS
 INCIDENT ON
 LOW-ALTITUDE AIRCRAFT (U), 260 P (SFRD)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 01593
AUTH: MCEVOY R.W. ; HORTON B.M.
CLSS: U
CONN: DA 49 186 ORD 1005
CORP: GD/GENERAL ATOMIC DIVISION (LA JOLLA-CA)
DATE: 6210
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
DESC: SUMMARY
SUJO: 4-241-000
TITL: HAZARDS SUMMARY REPORT, DIAMOND ORDNANCE RADIATION
FACILITY (U),
CIRCA 300 P, (U)
TREE: 642
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01593
.endblock
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copy: 1 id: 38218-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01665
AUTH: KARZAS W.J. ; LATTE R.
CLSS: U
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6110
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC: nuclear test detection EMP earth current detection L1
REPN: RM 2849 AFT
TSHO: HI-ALT
SUJO: 2-510-000 ; 4-914-000
TITL: ELECTROMAGNETIC RADIATION FROM A NUCLEAR EXPLOSION IN
SPACE (U),
MEMORANDUM, 33 P, (U)
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01665
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copy: 1 id: 38248-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 01687
AUTH: WOUTERS L.F.
CLSS: SRD
CORP: UNIVERSITY OF CALIFORNIA, LAWRENCE RADIATION LABORATORY
(LIVERMORE,
CA.)

DATE: 6210
 DESC: Nuclear Test Simulation Field Programs experiment design
 EMP earth currents geomagnetic effects L5
 DESC: SUMMARY
 EMPF: 600
 REPN: COPAC 62 61
 TSHO: SURFACE
 SUJO: 4-824-000
 TEMP: 35402
 TITL: EMP TEST CRITERIA (U), 5 P, (SRD)
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 01687
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 01689
 AUTH: BLIZARD E.P. ; COOK T.B. ; HARRIS P.S. ; LATTER A.L. ;
 LEONARD B.P. ; SUSSHOLZB.
 CLSS: SRD
 CONN: AF 04 647 309
 CORP: SPACE TECHNOLOGY LABORATORIES INCORPORATED (LOS
 ANGELES-CA)
 DATE: 5912
 DESC: INTEGRATED EFFECTS BLAST AND SHOCK RADIATION ; SUMMARY
 DESC: Nuclear Weapon Effects structures hard launch sites
 materials L1
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L5
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic L5
 DESC: Nuclear Weapon Effects electronic pieceparts L5
 REPN: STL TR 59 0000 00735 ; AFBMD TR 59 22
 SUJO: 3-116-200 ; 3-130-000 ; 3-220-000 ; 3-312-100 ;
 3-312-200
 TEMP: 35416
 TITL: NUCLEAR RADIATION CRITERIA FOR HARDENED ICBM SYSTEMS
 (U), 105 P,
 (SRD)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 01693
AUTH: MALIK J.
CLSS: SRD
CONN: W 7405 ENG 36
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6106
DESC: EXPERIMENTAL THEORY SURVEY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
EMPF: 223 ; 222 ; 213
REPN: LAMS 2606
SHOT: PRISCILLA ; HOOD ; OWENS ; WILSON
TSHO: LOW-ALT ; SURFACE ; WATER SURFACE
SUJO: 2-510-000
TEMP: 35376
TITL: NOTES ON ELECTROMAGNETIC RADIATION (U), 39 P, (SRD)

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copy: 1 id: 38265-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01697
AUTH: GOLDBERG P.A.
CLSS: SRD 1
CONN: AF 49 638 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6203
DESC: SUMMARY THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1

SCALING

DESC: Nuclear Weapon Effects Military Systems L1 EMP SCALING
OF HARDENED

SYSTEMS

EMPF: 300
REPN: RM 3028 PR
SUJO: 2-510-000 ; 3-100-000
TEMP: 35421

TITL: ON CRITERIA OF VULNERABILITY OF PHYSICAL SYSTEMS TO
NEMR--THE ELECTROMAGNETIC RADIATION FROM NUCLEAR DETONATIONS (U),
41 P., (SRD)

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01697

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copy: 1 id: 38268-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01720
AUTH: GIFFELS C.A. ; STERN R.A.
CLSS: SRD 1
CORP: BELL TELEPHONE LABORATORIES (WHIPPANY-NJ)
DATE: 6109
DESC: SUMMARY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1

MODEL SURVEY
EMPF: 222
REPN: BTL MM 61 4261 10
TSHO: LOW-ALT
SUJO: 2-510-000
TEMP: 35552
TITL: R.F. RADIATION FROM A NUCLEAR DETONATION -A SURVEY OF
OBSERVATIONS
AND PROPOSED MODELS, CASE 27495-41 (U), 20 P (SRD)

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01720

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copy: 1 id: 38304-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: 01789
ADNO: 216691
CLSS: U
CONN: AF 603 100
CORP: UNIVERSITY OF UTAH
DATE: 5903
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques blast shock high
explosives L1
REPN: AFOSR TN 59 551
SUJO: 4-216-300
TITL: ELECTRICAL FIELDS AND ELECTROMAGNETIC RADIATION FROM
CHEMICAL
EXPLOSIONS (U), 53 P, (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 01863
AUTH: STUBBS H.E.
CLSS: U
CONN: AF 29 601 2606
CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)

DATE: 6105
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
 Rates L1
 DESC: Nuclear Weapon Phenomenology High-Altitude auroras L1
 DESC: Nuclear Weapon Environment Airblast static overpressure
 ARRIVAL
 TIME.L1
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions L1
 DESC: Nuclear Weapon Phenomenology Fireball Chemistry L1
 DESC: Nuclear Weapon Effects meteorological Atmospheric
 Heating HEATING
 DESC: nuclear test detection infrared detection L1
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Phenomenology High-Altitude induced
 airglow
 fluorescence L1
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry x-ray
 L1
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum L1
 DESC: Absorption Spectrum Transmission Opacity of Natural
 Heated Air L1
 REPN: AFCRL 474
 SHOT: TEAK
 TSHO: HI-ALT
 SUJO: 2-110-000 ; 2-160-000 ; 2-211-000 ; 2-214-000 ;
 2-215-000 ;
 2-311-000 ; 2-312-400 ; 2-611-000 ; 2-730-000 ;
 4-910-500 ;
 5-200-000
 TEMP: 37575
 TITL: INFRARED RADIATION GENERATED BY A NUCLEAR DETONATION
 (U), 280 P (S)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 01864
 AUTH: ENGELMAN A.
 CLSS: SRD
 CONN: DA 19 020 ORD 5357
 CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)
 DATE: 6212
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling

distribution energy spectrum L1
 DESC: Nuclear Weapon Effects EM Propagation absorption
 blackout L1
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum L1
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions L1
 DESC: Composition Chemistry Atmosphere Reaction Rates L1
 DESC: THEORY EXPERIMENTAL
 REPN: GCA 63 1 G
 SHOT: KINGFISH ; BLUEGILL
 TSHO: HI-ALT
 SUJO: 2-211-000 ; 2-212-000 ; 2-311-000 ; 2-321-100 ;
 2-420-000 ;
 5-400-000 ; 5-800-000
 TEMP: 37576
 TITL: OPTICAL EFFECTS STUDY (U), 89 P (S)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 02018
 ADNO: 419652
 AUTH: HOCK D.C.
 CLSS: U
 CONN: AF 601 2348
 CORP: RADIATION INCORPORATED (PALO ALTO-CA)
 DATE: 6009
 DESC: SUMMARY
 DESC: Magnetic Fields Electric Currents in the Upper
 Atmosphere Trapped
 Radiation Particle Fluxes Space Radiation L1
 REPN: PROGRESS REPORT 2
 SUJO: 5-800-000
 TITL: THEORETICAL STUDY OF THE USEFULNESS OF MEASUREMENTS OF
 VAN ALLEN
 RADIATION WITH RESPECT TO ARGUS, QUARTERLY PROGRESS
 REPORT (U), 18 P
 (U)
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 02018
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02106
AUTH: RICH J.C.
CLSS: U
CORP: AIR FORCE/SPECIAL WEAPONS CENTER (KIRTLAND AFB-NM)
DATE: 6105
DESC: Fluid Mechanics L1
DESC: THEORY ; THEORY
REPN: AFSWC TN 61 29 PT 1
SUJO: 9-400-000
SYMJ: CONTAINED IN AFSWC SECOND HYDRODYNAMIC CONFERENCE,
NUMERICAL METHODS
OF FLUID FLOW PROBLEMS, MAY 16-18, 1961
TITL: PROBLEMS OF RADIATION TRANSPORT IN HEATED AIR (U), 13 P
(U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 02106-2P46
AUTH: LOOMIS C.C.
CLSS: SRD 1
CCDE: SPUTTER
CORP: GULF GENERAL ATOMIC (SAN DIEGO-CA)
DATE: 6105
DESC: Fluid Mechanics hydrodynamics L1
DESC: Radiation Transport L1
DESC: THEORY
SUJO: 9-410-000 ; 9-600-000
SYMJ: AFSWC SECOND HYDRO DYNAMIC CONFERENCE, PART 2, MAY 1961
TEMP: 39333 PART 2
TITL: FLUID DYNAMICS AND RADIATION FLOW IN THE SPUTTER CODE
(U), 10 P
(SRD)

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copy: 1 id: 38589-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02106-2P57
AUTH: FREEMAN B.E.

CLSS: SRD 1
CCDE: SHELL
CORP: GENERAL ATOMIC
DATE: 6105
DESC: Fluid Mechanics hydrodynamics L5
DESC: Radiation Transport L5
DESC: THEORY
SUJO: 9-410-000 ; 9-600-000
SYMJ: AFSWC SECOND HYDRODYNAMIC CONFERENCE, PART 2, MAY 1961
TEMP: 39333 PART 2
TITL: CLASSIFIED TITLE (SRD), 6 P (SRD)

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02106-2P57

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 02106-125
AUTH: LANDSHOFF R.K.M. ; MEYEROTT R.E.
CLSS: U
CORP: LOCKHEED MISSILES AND SPACE DIV
DATE: 6105
DESC: THEORY
DESC: Radiation Transport thermal AIR
REPN: TN 61 29
SUJO: 9-610-000
SYMJ: CONTAINED IN AFSWC SECOND HYDRODYNAMIC CONFERENCE,
NUMERICAL METHODS
OF FLUID FLOW PROBLEMS, MAY 16-18, 1961

TITL: PROBLEMS OF RADIATION TRANSPORT IN HEATED AIR (U), 13 P
(U)

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02106-125

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 02106-139
AUTH: GRANDEY R.A.
CLSS: U
CORP: AERONUTRONIC DIV
DATE: 6105
DESC: Fluid Mechanics hydrodynamics L1
DESC: Radiation Transport L5
DESC: THEORY
REPN: TN 61 29
SUJO: 9-410-000 ; 9-600-000
SYMJ: CONTAINED IN AFSWC SECOND HYDRODYNAMIC CONFERENCE,

NUMERICAL METHODS

OF FLUIDSFLOW PROBLEMS, MAY 16-18, 1961

TITL: NUMERICAL METHODS FOR HYDRODYNAMICS WITH RADIATION
TRANSPORT (U), 11
P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02110
ADNO: 366873
AUTH: PEDERSEN H.N. ; ZABINSKI E. ; HALL G.A.
CLSS: SRD
CONN: AF 29 601 2831
CORP: AIR FORCE/SPECIAL WEAPONS CENTER (KIRTLAND AFB-NM)
DATE: 6110
DESC: Nuclear Weapon Effects electronic subsystems guidance

control L1 IR
DESC: SIMULATION (CARBON ARC) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise

Rates L5
DESC: Nuclear Weapon Environment Thermal Output L5
DESC: Simulation Facilities Techniques thermal optical L1
DESC: Radiation Transport thermal L5 AIR
REPN: SWC TR 61 78 ; AFSWC TR 61 78
TSHO: LOW-ALT ; HI-ALT
SUJO: 1-200-000 ; 2-110-000 ; 3-211-000 ; 4-280-000 ;

9-610-000
TEMP: 39396
TITL: RESPONSES OF MILITARY INFRARED SYSTEMS TO THERMAL
IRRADIATION FROM
NUCLEAR WEAPONS, FINAL REPORT (U), 201 P, (SRD)

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02110
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02114
AUTH: SHELTON F.H. ; SACHS D.C. ; ELLIS P.A.
CLSS: SRD 1
CONN: N60921 701
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6212
DESC: Nuclear weapon test burn performance L9 P6
DESC: Nuclear Weapon Environment Airblast dynamic pressure

PRESSURE.L5

DESC: Nuclear Weapon Phenomenology ionization mechanisms
chemistry x-ray

L5 ORANGE BLUE GILL

DESC: Radiation Transport x-ray L5

DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature

Density Particle Velocities L1

DESC: Nuclear weapon test yield L9 P2

DESC: EXPERIMENTAL PREDICTIONS ; EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy

Coupling L1

DESC: Environmental Conditions at Nuclear Weapon Test Site
weather L9 P2

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L1

RADIAL EXPANSION

REPN: KN 677 62 6

SHOT: YUCCA ; ORANGE ; BLUE GILL

SUJO: 2-110-000 ; 2-130-000 ; 2-150-000 ; 2-312-400 ;
2-612-000 ;

4-835-000 ; 4-837-000 ; 4-841-000 ; 9-640-000

TEMP: 39433

TITL: COMPUTED BLAST FORMATION FOR SEVERAL HIGH ALTITUDE
NUCLEAR

DETONATIONS (U), 51P, (SRD)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02119

AUTH: COLGATE S.A.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6010

DESC: Nuclear Weapon Phenomenology ionization mechanisms
chemistry initial

gamma L5

DESC: THEORY

DESC: Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic

Perturbations L1

REPN: UCRL 6189

SUJO: 2-312-200 ; 2-530-000

TITL: NEAR MAGNETIC INDUCTION SIGNAL FROM A NUCLEAR EXPLOSION
DUE TO

MOVEMENT OF THEEARTHS MAGNETIC FIELD (U), 5 P, (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02134
AUTH: BOTH E. ; BRUEMMER H.P. ; SCHLOSSER W.
CLSS: U
CORP: ARMY/ELECTRONICS RESEARCH AND DEVELOPMENT LABORATORY (FT
MONMOUTH-NJ)
DATE: 6209
DESC: SIMULATION (PULSE REACTOR) EMP RF ; EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design
electrical
DESC: electronic cable noise instrumentation links L5 CABLES
Nuclear Weapon Effects electrical mechanical cables
wires L1
REPN: TR 2313
SUJO: 3-231-000 ; 4-829-500
TITL: TRANSIENTS INDUCED IN ELECTRICAL CABLES BY NUCLEAR
RADIATION PULSES
(U), 29 P, (U)
TREE: 390

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copy: 1 id: 38613-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02146
ADNO: 338208
AUTH: SHAW C.B.
CLSS: SRD 1
CONN: AF 29 601 2370
CORP: HUGHES RESEARCH LABORATORIES (MALIBU-CA)
DATE: 6012
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic
Perturbations L1
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Electromagnetic Theory Applications L1
REPN: SDN 128003/30
SUJO: 2-530-000 ; 5-800-000 ; 9-300-000
TEMP: 39522

TITL: STUDY OF RELATIVISTIC ELECTRONNS TRAPPED IN THE EARTHS
 MAGNETIC FIELD, FINAL REPORT(U), 42 P, (SRD)

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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 02156
 AUTH: RAINEY S.C. ; SHNIDER R.W.
 CLSS: SFRD
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CA)
 DATE: 6204
 DESC: Nuclear Weapon Effects on animals blast shock pressure
 L1
 DESC: thermal protection L9
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L5
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 FALL-OUT GAMMA NEUTRON
 DESC: Nuclear Weapon Effects on animals thermal burns heating
 L1
 DESC: PERSONNEL SAFETY ; HANDBOOK
 REPN: USNRDL TR 552
 TSHO: LOW ALT ; WATER SURFACE
 SUJO: 2-225-100 ; 3-311-100 ; 3-312-100 ; 3-313-100 ;
 9-870-000
 TEMP: 39611
 TITL: PRELIMINARY WEAPONS EFFECTS PREDICTIONS FOR AEC
 DIAGNOSTIC WEAPONS
 TEST SERIES(42 P, (SFRD)

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 created: 12/27/1991 type: REPORT permanent
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INUM: 02221
 ADNO: 343490
 AUTH: DRELL S.D. ; RUDERMAN M.A.
 CLSS: U
 CORP: INSTITUTE FOR DEFENSE ANALYSIS (WASHINGTON-DC)
 DATE: 6007
 DESC: Nuclear Weapon Environment Infrared Output source
 strength total

intensity L1
DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow
fluorescence L1
DESC: THEORY
TSHO: HI-ALT
SUJO: 1-310-000 ; 2-214-000
TEMP: 39762
TITL: INFRARED RADIATION FROM THE ATMOSPHERE RESULTING FROM
BOMB BURST
(U), 35 P, (C)
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created: 12/27/1991 type: REPORT permanent
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INUM: 02225
ADNO: 341261
AUTH: SHELTON F.H. ; HOFFMAN J.R. ; CONNORS R.J.
CLSS: SRD
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6005
DESC: Nuclear Weapon Effects materials metals alloys L1 X-RAY
BE C AL FE
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
L5
DESC: Cross Sections x-ray L1 LOW Z METALS
DESC: Nuclear Weapon Environment X-ray Output source strength
total
intensity L5
DESC: Solid Mechanics L9 P 89 TENSIL PROPERTIES OF LOW Z
METALS
DESC: Nuclear Weapon Effects reentry systems RV L1 X-RAY
DESC: SUMMARY
DESC: Nuclear Weapon Effects materials plastics resins L1
TEFLON
POLYETHYLENE XRAY
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy
Coupling L9 TN ENERGY PARTITION P8
DESC: Radiation Transport x-ray L1 AIR
REPN: KN 154 60 3
SUJO: 1-610-000 ; 1-620-000 ; 2-150-000 ; 3-113-000 ;
3-243-000 ;
3-244-000 ; 9-200-000 ; 9-640-000 ; 9-840-000
TEMP: 39761
TITL: X-RAYS AND THEIR EFFECTS (U), 169 P, (SRD)
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copy: 1 id: 38686-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02232
ABS: The intent of this report is to summarize our state of
knowledge regarding the effectiveness of special warheads. It
deals with a warhead radiation yield characteristics and transmission
through the atmosphere, and also the penetration of the radiation
through structures and the effect on people.

AUTH: LESSLER R.M.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6110
DESC: THEORY
DESC: Radiation Transport neutron L5 AIR
DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L5

DESC: Cross Sections gamma L9 SOIL P 14
DESC: Nuclear Warfare Theater operations scenarios battlefield
environment

L1 ER WEAPONS
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L5

DESC: Nuclear Weapon Effects on animals blast shock L5
REPN: UCRL 06667
SUJO: 1-110-000 ; 3-311-000 ; 3-312-100 ; 3-411-200 ;
9-650-000 ;
9-830-000

TEMP: 39805
TITL: CLASSIFIED TITLE (U) 31 P, (SRD)
TNFF: 4805

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created: 12/27/1991 type: REPORT permanent
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INUM: 02233
AUTH: KILLEEN J.
CLSS: SRD 1
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 5904
DESC: THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping L1
REPN: UCRL 5640
SHOT: TEAK ; ORANGE ; ARGUS I
TSHO: HI-ALT
SUJO: 2-217-000
TEMP: 39803
TITL: ARGUS EFFECT ELECTRON DENSITIES FROM HIGH ALTITUDE
NUCLEAR TESTS
(U), 25 P, (SRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 02234

AUTH: JOHNSON M.H. ; LIPPMANN B.A.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 5908

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1

DESC: nuclear test detection EMP earth current detection L1

DESC: THEORY SUMMARY

EMPF: 221

REPN: UCRL 5666 T

TSHO: HI-ALT

SUJO: 2-510-000 ; 4-914-000

TITL: ELECTROMAGNETIC SIGNALS FROM NUCLEAR EXPLOSIONS IN OUTER
SPACE (U),
6 P, (U)

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copy: 1 id: 38692-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: 02236

AUTH: COLGATE S.A.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6110

DESC: Nuclear Weapon Phenomenology ionization mechanisms


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chemistry initial
    gamma L1
DESC:      Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC:      THEORY
DESC:      Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic
    Perturbations L1
EMPF:      222
REPN:      UCRL 6671
TSHO:      LOW-ALT
SUJO:      2-312-200 ; 2-510-000 ; 2-530-000
TITL:      SKIN DEPTH ANALYSIS OF EM SIGNAL FROM THE GAMMA RAYS OF
A NUCLEAR
    EXPLOSION (U), 7 P, (U)
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    created: 12/27/1991 type: REPORT   permanent
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INUM:      02237
AUTH:      SOFTKY S.D. ; SQUIRE R.K.
CLSS:      U
CONN:      W 7405 ENG 48
CORP:      LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE:      6005
DESC:      Nuclear Energy Peaceful Applications basic physical
measurements
    nuclear cross sections L1
DESC:      Nuclear Test Simulation Field Programs concepts
capability
    philosophy L1
DESC:      THEORY
REPN:      UCRL 5968 ; TID 4500
TSHO:      HI-ALT
SUJO:      3-486-000 ; 4-810-000
TITL:      IN VACUO ELECTROMAGNETIC DISPERSION EXPERIMENT (U), 21
P, (U)
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    created: 12/27/1991 type: REPORT   permanent
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INUM:      02244
ADNO:      333243
CLSS:      S

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CORP: ARMED SERVICES TECHNICAL INFORMATION AGENCY
 (ARLINGTON-VA)
 DATE: 6211
 DESC: Radiation Transport thermal L1
 DESC: thermal protection L1
 DESC: Absorption Spectrum Transmission Opacity of Natural
 Heated Air L1
 DESC: BIBLIOGRAPHY
 SUJO: 5-200-000 ; 9-610-000 ; 9-870-000
 TEMP: 39838
 TITL: BIBLIOGRAPHY: ATTENUATION AND ABSORPTION OF THE THERMAL
 RADIATION
 FROM NUCLEAR EXPLOSIONS (U), 156 P, (S)
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 02244
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 02266
 AUTH: HERBST R.F. ; WATSON K.M. ; LATTER R.
 CLSS: U
 CORP: LAWRENCE RADIATION LABORATORY (BERKELEY-CA) RAND CORP
 (SANTA MONICA
 CA) ENT
 DATE: 6108
 DESC: SURVEY
 DESC: nuclear test detection methods hardware L1
 REPN: P 2399
 SUJO: 4-910-000
 TITL: DETECTION OF NUCLEAR EXPLOSIONS (U), 94 P, (U)
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 02266
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 copy: 1 id: 38714-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 02278
 AUTH: JEWELL L.D. ; SMITH R.E.W. ; ALLEN F.C.
 CLSS: SRD 1
 CONN: NORD 18098
 CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
 DATE: 6205
 DESC: SIMULATION (COMPUTER) DEV 12 ; TABULAR
 DESC: Radiation Transport neutron L1 AIR CO ALTITUDE ONLY
 REPN: KN 62 71 R
 TSHO: HI ALT
 SUJO: 9-650-000

TEMP: 41053
TITL: RESULTS OF A MONTE CARLO CALCULATION OF NEUTRON FLUX
FROM A SOURCE
AT 165,000 FEET ALTITUDE (U), 23 P, (SRD)
TREE: 920
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02278
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copy: 1 id: 38722-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02282
AUTH: JEWELL L.D. ; SMITH R.E.W.
CLSS: SRD 1
CCDE: THISTLE
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6212
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence L1
DESC: SIMULATION (COMPUTER) DEV 10
DESC: Radiation Transport neutron L1 AIR
REPN: KN 62 220 R
TSHO: LOW ALT
SUJO: 1-110-000 ; 9-650-000
TEMP: 41054
TITL: RESULTS OF A MONTE CARLO CALCULATION OF NEUTRON FLUX
FROM A SOURCE

AT 4550 FEET (U), 17 P, (SRD)
TREE: 920
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02282
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copy: 1 id: 38724-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02296
ADNO: 343398
AUTH: BROUGH T.G. ; MOSBY E.O. ; COSGRAVE J.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5907
DESC: BIBLIOGRAPHY
REPN: NRDL 462
TEMP: 39970
TITL: INDEX TO U.S. NAVAL RADIOLOGICAL DEFENSE LABORATORY,
USNRDL SERIES

REPORTS ISSUED THROUGH 31 JULY 1959, (U), 315 P (C

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02296

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copy: 1 id: 38735-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02345

ADNO: 413007

AUTH: STUBBS H.E.

CLSS: U

CONN: AF 29 601 4134

CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)

DATE: 6204

DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry

general descriptions L1

DESC: TRANSITION PROBABILITIES ; THEORY

DESC: Nuclear Weapon Environment radiation decay L1

DESC: Solid Mechanics L1

SUJO: 2-223-400 ; 2-311-000 ; 9-200-000

TITL: STUDY OF THE RECOMBINATION PHENOMENA ASSOCIATED WITH A
HIGH NUCLEAR

EXPLOSION (U 41 P, (U)

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02345

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copy: 1 id: 38766-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 02374

CLSS: SRD 1

CONN: AF 19 604 6137

CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MA)

DATE: 6007

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum L1

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L5

DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry

general descriptions L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum L1

DESC: THEORY
 REPN: ASE 66 ; ERD TR 60 175
 SUJO: 2-211-000 ; 2-212-000 ; 2-311-000 ; 4-140-000
 TEMP: 39929
 TITL: AIRBORNE GAMMA-RAY MEASUREMENTS, FINAL REPORT (U), 30 P
 (SRD)
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 02374
 .endblock
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 copy: 1 id: 38781-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 02401
 ADNO: 339886
 CLSS: SRD 1
 CORP: ARMY/CONTINENTAL COMMAND OF SPECIAL WEAPONS DEVELOPMENTS
 (FORT
 BLISS-TX)
 DATE: 6010
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1 CALCULATION
 DESC: Nuclear weapon test yield L1
 DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
 NUETRON
 GAMMA
 DESC: Cross Sections gamma L5 VARIOUS ELEMENTS
 DESC: Radiation Transport neutron L5 AIR
 DESC: Nuclear Weapon Environment Prompt Neutron angular
 distribution L1
 DESC: DEV 29 DEV 54 DEV 55 DEV 113 DEV 114 DEV 115 DEV 75 DEV
 116 DEV 37
 DEV 15 DEV 72 DEV 56 DEV 12 DEV 10 DEV 8 DEV 14 DEV 29
 ; SUMMARY
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry prompt
 neutron L5
 REPN: OSWD 59 4 V 2
 SUJO: 1-110-000 ; 1-130-000 ; 2-312-300 ; 3-161-000 ;
 4-835-000 ;
 4-836-000 ; 9-650-000 ; 9-830-000
 TEMP: 39945
 TITL: RADIATION EFFECTS OF ONE NUCLEAR EXPLOSION ON A SECOND
 NUCLEAR
 WEAPON, VOL II (U 319 P, (SRD)
 TREE: 397
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 02401

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copy: 1 id: 38794-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02405
ADNO: 342426
AUTH: SUSSHOLZ B.
CLSS: SRD
CORP: SPACE TECHNOLOGY LABORATORIES INCORPORATED
DATE: 6112
DESC: TABULAR
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
SCALING
EMPF: 223
REPN: 6101 6055 GQ000
TSHO: SURFACE
SUJO: 2-510-000
TEMP: A6556
TITL: CONCLUSIONS AND RECOMMENDATIONS OF THE STL AD HOC PANEL
ON
ELECTROMAGNETIC RADIATION (U), 17 P (SRD)

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02405
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copy: 1 id: 38797-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02406
ADNO: 339651
CLSS: SRD 1
CONN: AF 04 647 303
CORP: EG+G INCORPORATED (BOSTON-MA)
DATE: 6109
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width L9
P87
DESC: Nuclear Weapon Environment Infrared Output source
strength total
intensity L5 TEAK
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L5 P88
25
DESC: Nuclear Weapon Effects electronic subsystems guidance
control L1
DESC: THERMAL NEUTRONS GAMMA
DESC: Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic

Perturbations L5
 DESC: Nuclear Weapon Environment Visible Output energy spectrum L5
 DESC: Nuclear Weapon Environment Induced Radiofrequency Noise 69 P88
 DESC: Nuclear Weapon Environment Thermal Output rate L1 UV VISIBLE IR
 DESC: Nuclear Weapon Environment Ultraviolet Output energy spectrum L5
 NEAR UV TEAK
 DESC: Nuclear Weapon Environment Thermal Output source strength total intensity L5
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L5
 DESC: Nuclear Weapon Environment Prompt Neutron source strength total fluence L9 P24
 DESC: Nuclear Weapon Effects Communications Systems C4 hardware optical devices sensors IR detectors L1 VISIBLE RADIATION
 REPN: B 2281 ; EGG B 2281
 SHOT: TEAK ; ORANGE ; YUCCA
 SUJO: 1-110-000 ; 1-210-000 ; 1-240-000 ; 1-310-000 ; 1-420-000 ; 1-520-000 ; 1-740-000 ; 2-110-000 ; 2-400-000 ; 2-510-000 ; 2-530-000 ; 3-133-000 ; 3-211-000
 TEMP: 39939
 TITL: EFFECTS OF HIGH-ALTITUDE DETONATIONS PERTINENT TO NAVIGATIONAL AND GUIDANCE SYSTEMS (U), 92 P (SRD)
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 02406
 .endblock
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 copy: 1 id: 38798-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 02483
 ABS: This bibliography was prepared at ASTIA in response to inquiries on the hazards and safety aspects of radiological warfare and nuclear explosions. Citations are included for reports catalogued at ASTIA from 1953 through June 1962, and are restricted to classified reports and unclassified reports with limited distribution. The subject content is divided into nuclear explosion detection and

monitoring, nuclear explosions nuclear warheads, nuclear weapons,

protection, radiation meters, and radiological warfare.

ADNO: 330030

AUTH: WAINWRIGHT A. ; BALDWIN J.A.

CLSS: S

CORP: ARMED SERVICES TECHNICAL INFORMATION AGENCY
(ARLINGTON-VA)

DATE: 6207

DESC: Nuclear Weapon Effects aerospace systems L1 BLAST
EFFECTS AIR AND UW

BURST

DESC: Nuclear Warfare Strategic radiological warfare L1

DESC: BIBLIOGRAPHY

DESC: Nuclear Weapon Environment fallout Deposition L1 FALLOUT

DESC: Nuclear Weapon Effects structures aboveground L1 BLAST

DESC: Nuclear Weapon Information L1

DESC: Nuclear Weapon Effects Biological Ecological Social
Systems L1

RADIATION EFFECTS PROTECTION

DESC: Nuclear Weapon Detonation Detection Monitoring L1

DESC: Nuclear Weapon Effects ship systems L1 BLAST

SUJO: 2-225-000 ; 3-110-000 ; 3-120-000 ; 3-250-000 ;
3-300-000 ;

3-422-800 ; 4-830-000 ; 4-900-000

TEMP: 41483

TITL: RADIOLOGICAL WARFARE AND NUCLEAR EXPLOSIONS (U), 89 P,
(S)

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02483

.endblock

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copy: 1 id: 38854-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02545

AUTH: WILEY J. ; PATRICK C. ; COON M. ; BECK A.

CLSS: SRD 1

CORP: MARTIN COMPANY (DENVER-CO)

DATE: 5904

DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L1

DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L5

NEUTRON

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence L1

DESC: THEORY TABULAR

REPN: RM 32

TSHO: HI ALT

SUJO: 1-110-000 ; 1-120-000 ; 3-312-100

TEMP: 41673
TITL: PROMPT NEUTRON FLUXES AND BIOLOGICAL DOSES FROM HIGH
ALTITUDE NUCLEAR WEAPON BURSTS (U), 26 P, (SRD)
TREE: 920
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02545
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copy: 1 id: 38883-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 02733
CLSS: SRD 1
CORP: AIR FORCE/SPECIAL WEAPONS CENTER (KIRTLAND AFB-NM)
DATE: 6205
DESC: SUMMARY
DESC: Nuclear Test Simulation Field Programs concepts
capability philosophy L1 NUCLEAR RADIATION X RAY BLAST EMP THERMAL
BIOMETICCAL
REPN: AFSWC SWRC 2 0157
SUJO: 4-810-000
TEMP: 43235
TITL: NUCLEAR EFFECTS RESEARCH AND TESTING, A FIVE YEAR
TECHNICAL PLAN
(U), CIRCA 90 (SRD)
TREE: 641
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02733
.endblock
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copy: 1 id: 38992-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02761
AUTH: BENNETT H.A.
CLSS: SFRD
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6012
DESC: Nuclear Weapon Effects structures hard launch sites
electronics electrical power systems L1 EMP
DESC: THEORY
EMPF: 365
REPN: SCTM 377 60 71 ; RS 3423 443
SUJO: 3-116-300
TEMP: 43316
TITL: VULNERABILITY OF HARDENED MISSILE LAUNCH SITES TO
ELECTROMAGNETIC

RADIATION PRODUCED BY NUCLEAR DETONATION (U), ATOMIC
WEAPON DATA,

SIGMA 3, 13 P, (SFRD)

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02761

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copy: 1 id: 39012-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 03209

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6107

DESC: Simulation Facilities Techniques nuclear radiation L1

DESC: Simulation Facilities Techniques biomedical thermal L1

DESC: Non-DNA Organizational Operational Information including
Standards

Procedures Vitae Publication Lists L1

DESC: Simulation Facilities Techniques biomedical nuclear
radiation L1

DESC: Simulation Facilities Techniques thermal optical L1

SUJO: 4-240-000 ; 4-251-000 ; 4-252-000 ; 4-280-000 ;
4-720-000

TITL: RESOURCES, CAPABILITIES AND ACCOMPLISHMENTS OF THE U.S.
NAVAL

RADIOLOGICAL DEFENSE LABORATORY (U), 67 P, (U)

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03209

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copy: 1 id: 39328-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03448-1

ADNO: 356874

AUTH: BUTLER G. JR., CONTRERAS L.M., MOSHOFSKY R.P.

CLSS: SRD

CONN: AF 29 601 4128

CORP: BOEING COMPANY (SEATTLE-WA), AIR FORCE/WEAPONS
LABORATORY (KIRTLAND

AFB-NM)

DATE: 6111

DESC: Nuclear Weapon Environment radiation decay gamma decay

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

OVERPRESSURE

DESC: Nuclear Weapon Environment Water Shock pressure impulse
particle

motion

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt

REPN: SWC TDR 62 53 ; AFSWC TDR 62 53

TSHO: LOW-ALT ; HI-ALT

SUJO: 1-110-000 ; 1-210-000 ; 1-710-000 ; 2-223-200 ;
2-321-100 ;

2-611-000 ; 2-631-000 ; 2-633-000 ; 3-312-100 ;
3-421-200 ;

4-835-000

TEMP: 47423

TITL: EVALUATION OF HIGH YIELD WEAPON CAPABILITIES (U), 78 P
(SRD)

TREE: 910 ; 920

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03651

.endblock

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copy: 1 id: 39600-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04246

ADNO: 230086

AUTH: LEDOUX J.C.

CLSS: U

CORP: NAVY/NAVAL CIVIL ENGINEERING LABORATORY (PORT
HUENEME-CALIFORNIA)

DATE: 5910

DESC: Cross Sections neutron

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity

DESC: Cross Sections gamma

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: THEORY TABULAR

REPN: TR 025 ; 025

SUJO: 1-110-000 ; 1-710-000 ; 2-223-200 ; 9-820-000 ;
9-830-000

TITL: NUCLEAR RADIATION SHIELDING PROVIDED BY BURIED SHELTERS
(U), 65 P

(U)

TREE: 411 ; 412

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04246
.endblock
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copy: 1 id: 39944-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 04258
ADNO: 329755
AUTH: SCHERRER V.E. ; MEHLHORN H.A.
CLSS: U
CONN: AF 33 (616) 6539
CORP: TECHNICAL OPERATIONS INCORPORATED
(BURLINGTON-MASSACHUSETTS) ; AIR
FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT-PATTERSON AIR
FORCE
BASE-OHIO)
DATE: 6108
DESC: Nuclear Weapon Effects materials not systems associated
DESC: EXPERIMENTAL THEORY
DESC: test instruments x-ray effects
DESC: Cross Sections x-ray
DESC: test instruments electronic vulnerability EMP
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: Simulation Facilities Techniques x-ray effects
REPN: TO B 61 43 ; ASD TR 61 377
TSHO: HI-ALT
SUJO: 3-240-000 ; 4-231-000 ; 4-330-000 ; 4-346-000 ;
4-371-000 ;
9-840-000
TEMP: 49623
TITL: STUDY OF NUCLEAR WEAPON X-RAY EFFECTS, FINAL REPORT (U),
158 P (C)

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04258
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copy: 1 id: 39950-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 04496
AUTH: SHELTON A.V. ; NORDYKE M.D. ; GOECKERMANN R.H.
CLSS: U
CONN: W 7405 ENG 48 (AEC)
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6004
DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence
transitions
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters

excavations

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity

DESC: Nuclear Weapon Environment Ground Shock scaling

DESC: Environmental Conditions at Nuclear Weapon Test Site

topography

REPN: UCRL 5766

SHOT: NEPTUNE

TSHO: UG-VENTED

SUJO: 2-223-200 ; 2-621-000 ; 2-624-000 ; 2-625-000 ;
2-629-000 ;
4-843-000

TITL: NEPTUNE EVENT, A NUCLEAR EXPLOSIVE CRATERING EXPERIMENT
(U), 32 P

(U)

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04496

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copy: 1 id: 40126-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04497

AUTH: THOMPSON T.L. ; MISZ J.B.

CLSS: U

CONN: W 7405 ENG 48 (AEC)

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)

DATE: 5910

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

DESC: EXPERIMENTAL

DESC: Environmental Conditions at Nuclear Weapon Test Site

geology

DESC: Nuclear Weapon Environment Ground Shock craters

excavations

REPN: UCRL 5757

SHOT: RAINIER ; NEPTUNE

TSHO: UG-VENTED ; UG-CONTAINED

SUJO: 2-625-000 ; 2-627-000 ; 4-842-000

TITL: GEOLOGIC STUDIES OF UNDERGROUND NUCLEAR EXPLOSIONS
RAINIER AND

NEPTUNE FINAL REPORT (U), 58 P (U)

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04497

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copy: 1 id: 40127-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04498
AUTH: JOHNSON G.W.
CLSS: U
CONN: W 7405 ENG 48 (AEC)
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6001
DESC: Nuclear Weapon Environment Ground Shock craters
excavations
DESC: SUMMARY
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy
Coupling
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress
DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence
transitions
DESC: Nuclear Test Simulation Field Programs concepts
capability
philosophy
REPN: UCRL 5840
SHOT: RAINIER ; SUGAR ; UNCLE ; ESS ; NEPTUNE
TSHO: UG-CONTAINED ; SURFACE ; UG-VENTED
SUJO: 2-150-000 ; 2-623-000 ; 2-625-000 ; 2-627-000 ;
2-629-000 ;
4-810-000
TITL: INDUSTRIAL AND SCIENTIFIC APPLICATIONS OF NUCLEAR
EXPLOSIONS (U), 33
P (U)

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04498

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copy: 1 id: 40128-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 04573
AUTH: DAVIS L.W. ; SUMMERS D.L. ; DURAND A.R.
CLSS: SRD
CONN: AF 33 (600) 40514 (AFIC)
CORP: DIKEWOOD CORPORATION (ALBUQUERQUE-NEW MEXICO)
DATE: 6102
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: Nuclear Weapon Environment Airblast effects of
topography
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE

DESC: Nuclear Weapon Effects structures aboveground components
 DESC: Nuclear Warfare Strategic operations scenarios
 battlefield environment L1
 DESC: Nuclear Weapon Effects animals
 DESC: Nuclear Weapon Environment Thermal Output
 DESC: TABULAR HANDBOOK
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: Nuclear Weapon Environment Ground Shock throwout
 projectiles
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Airblast dynamic pressure
 PRESSURE
 REPN: DC FR 1012
 SOCE: VARIOUS EARLY DEVICES
 SUJO: 1-110-000 ; 1-120-000 ; 1-200-000 ; 2-611-000 ;
 2-612-000 ;
 2-613-400 ; 2-626-000 ; 3-251-100 ; 3-310-000 ;
 3-421-200 ;
 5-200-000
 TEMP: 51110
 TITL: PHENOMENOLOGY OF BLAST, THERMAL, AND INITIAL NEUTRON
 RADIATION
 PERTINENT TO PERSONNEL CASUALTIES (U), 281 P (SRD)
 TREE: 920
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 04573
 .endblock
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 copy: 1 id: 40175-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 04603
 ADNO: 371042
 AUTH: WATSON K.M. ; BRUECKNER K.A.
 CLSS: C
 CORP: GD/CONVAIR DIVISION (SAN DIEGO-CALIFORNIA)
 DATE: 6100
 DESC: THEORY
 DESC: thermal protection L1 WATER FOG, 324 L1 THERMAL
 REPN: ZPH 049 ADD 1
 SUJO: 9-870-000
 TEMP: 51106
 TITL: USE OF A FOG TO PROVIDE SHIELDING AGAINST THERMAL
 RADIATION (U), 12
 P (S)
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 04603
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copy: 1 id: 40188-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04960
ADNO: 373278
AUTH: BURSON Z.G. ; GRIESMER D.R.
CLSS: SRD
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 5911
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment Ground Shock craters
excavations
DESC: SURVEY
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity
DESC: Cross Sections neutron
DESC: Cross Sections gamma
REPN: AFSWC TR 59 42
SHOT: ZUNI ; DAKOTA ; FLATHEAD ; NAVAJO ; TEWA ; LACROSSE ;
MOHAWK ; SUGAR
; MIKE
TSHO: SURFACE ; WATER-SURFACE
SUJO: 1-110-000 ; 1-210-000 ; 1-710-000 ; 2-223-200 ;
2-625-000 ;
9-820-000 ; 9-830-000
TEMP: 51738
TITL: RADIOLOGICAL PROBLEMS ASSOCIATED WITH HARDENED AIR FORCE
INSTALLATIONS (U), 57P (SRD)
TREE: 411 ; 412

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04960

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copy: 1 id: 40373-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 04986
ADNO: 374716L
AUTH: GROSS W.C. JR.
CLSS: SRD

CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MARYLAND)
 DATE: 6012
 DESC: Target Analysis cities L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Target Analysis foreign applications USSR L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: TABULAR
 REPN: 1365
 SOCE: DEV-33
 SUJO: 1-110-000 ; 1-710-000 ; 3-312-100 ; 3-434-000 ;
 3-439-200
 TEMP: 51764
 TITL: EVALUATION OF THE XM28 AND XM29 WEAPON SYSTEMS AGAINST
 AN EXPECTED
 SOVIET TARGET COMPLEX (U), 44 P (SRD)
 TREE: 910 ; 920
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 04986
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 05049
 AUTH: HENDRICKS J.W. ; SMITH D.L.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 6010
 DESC: Nuclear Weapon Environment Water Shock bubbles
 DESC: Nuclear Weapon Phenomenology plumes spray domes
 DESC: Simulation Facilities Techniques blast shock water shock
 L1
 DESC: EXPERIMENTAL
 DESC: test instruments test hardware pressure stress
 REPN: NRDL TR 480
 SUJO: 2-224-130 ; 2-636-000 ; 4-213-000 ; 4-311-000
 TITL: ABOVE AND BELOW-SURFACE EFFECTS OF ONE-POUND UNDERWATER
 EXPLOSIONS,
 HYDRA I (U), 228 P(U)
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 05049
 .endblock
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 copy: 1 id: 40441-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05161-154
ADNO: 244784
AUTH: TOMLINSON J.R.
CLSS: U
CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MARYLAND)
DATE: 6009
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
SUJO: 4-241-000
SYMJ: SURVIVAL OF MILITARY EQUIPMENT IN A HOT WAR ENVIRONMENT,
SHOCK,
VIBRATION AND ASSOCIATED ENVIRONMENTS, PART III,
BULLETIN 28,
SEPTEMBER 1960 (U)
TITL: FACILITY FOR RESEARCH IN THE EFFECTS OF PULSED NUCLEAR
RADIATIONS
(U), 5 P (U)
TREE: 642

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created: 12/27/1991 type: REPORT permanent

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INUM: 05161-159
ADNO: 244784
AUTH: FLORA J.W.
CLSS: U
CORP: ATOMICS INTERNATIONAL (CANOGA PARK-CALIFORNIA)
DATE: 6009
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
DESC: SURVEY
SUJO: 4-241-000
SYMJ: SURVIVAL OF MILITARY EQUIPMENT IN A HOT WAR ENVIRONMENT,
SHOCK,
VIBRATION AND ASSOCIATED ENVIRONMENTS, PART III,
BULLETIN 28,
SEPTEMBER 1960 (U)
TITL: LABORATORY SIMULATION OF THE RADIATION ENVIRONMENT
PRODUCED BY A
NUCLEAR DETONATION (U), 13 P (U)

TREE: 642

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created: 12/27/1991 type: REPORT permanent
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INUM: 05161-182
ADNO: 244784
AUTH: ZAGORITES H.A. ; CARR E.A. ; DURKEE J.W.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6009
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
SUJO: 3-221-000
SYMJ: SURVIVAL OF MILITARY EQUIPMENT IN A HOT WAR ENVIRONMENT,
SHOCK,
VIBRATION AND ASSOCIATED ENVIRONMENTS, PART III,
BULLETIN 28,
SEPTEMBER 1960 (U)
TITL: TRANSIENT EFFECTS IN MILITARY ELECTRONIC EQUIPMENT
EXPOSED TO
NUCLEAR FALLOUT (U), 8 P (U)
TREE: 310

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created: 12/27/1991 type: REPORT permanent
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INUM: 05815
ADNO: 321257
AUTH: SNAY H.G.
CLSS: U
CORP: NAVY/NAVAL ORDNANCE LABORATORY (WHITE OAK-MARYLAND)
DATE: 6009
DESC: Nuclear Weapon Phenomenology plumes spray domes
DESC: Nuclear Weapon Environment Water Shock special studies
temperature
gradients
DESC: Nuclear Weapon Phenomenology base surge
DESC: Fluid Mechanics hydrodynamics
DESC: Nuclear Weapon Environment Water Shock bubbles
DESC: Nuclear Weapon Environment Water Shock scaling
DESC: Nuclear Weapon Environment fallout transfer
DESC: THEORY SUMMARY
REPN: NAVWEPS 7323
TSHO: UW

SUJO: 2-224-120 ; 2-224-130 ; 2-224-300 ; 2-634-000 ;
2-636-000 ;

2-639-000 ; 9-410-000
TITL: HYDRODYNAMIC BACKGROUND OF THE RADIOLOGICAL EFFECTS OF
UNDERWATER
NUCLEAR EXPLOSIONS (U), 48 P (C)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05855

ADNO: 250704L

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6005

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport

DESC: SUMMARY

SUJO: 4-140-000

TITL: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL IV, HEADS OF
DELEGATIONS

CLOSING REMARKS REVIEWS AND LECTURES NO. 103 (U), 14 P

(U)

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copy: 1 id: 40899-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05897

ADNO: 318823

CLSS: C

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6005

DESC: Nuclear Weapon Environment radiation decay gamma decay
L1

DESC: Nuclear Weapon Effects on animals ionizing radiation

DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L1

DESC: LOCAL FALLOUT ; EXPERIMENTAL

SHOT: BRITISH (56-05-16 ; BRITISH (56-06-19) ; BRITISH

(52-10-03)

TSHO: LOW-ALT ; WATER-SURFACE

SUJO: 2-223-410 ; 2-223-420 ; 3-312-000

TEMP: 55403

TITL: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOLUME III, REVIEWS
AND LECTURES

NO. 103 (U), 35 P (S)

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copy: 1 id: 40932-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05897-1

ADNO: 318823

AUTH: SOOLE B.W.

CLSS: C

CORP: UNITED KINGDOM

DATE: 6005

DESC: Nuclear Weapon Phenomenology cloud shape size L5

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise

Rates

DESC: Nuclear Weapon Phenomenology cloud development rise

LA: UK

SHOT: BRITISH (52-10-03)

TSHO: WATER-SURFACE

SUJO: 2-110-000 ; 2-224-100 ; 2-224-140

SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM TECHNICAL STATUS OF
RADIOLOGICAL

DEFENSE IN THE FLEETS, VOL III

TITL: SURFACE PHENOMENA AT OPERATION HURRICANE (U), 4 P (S)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05897-2

ADNO: 318823

AUTH: SOOLE B.W.

CLSS: C

CORP: UNITED KINGDOM

DATE: 6005

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment radiation decay

LA: UK
 SHOT: BRITISH (52-10-03)
 TSHO: WATER-SURFACE
 SUJO: 2-223-400
 SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
 OF
 RADIOLOGICAL DEFENSE IN THE FLEETS, VOL III
 TITL: DECAY RATES OF FALL-OUT AT OPERATION HURRICANE (U), 10
 P (S)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 05897-3
 ADNO: 318823
 AUTH: SOOLE B.W.
 CLSS: C
 CORP: UNITED KINGDOM
 DATE: 6005
 DESC: Nuclear Weapon Environment fallout arrival time
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment radiation decay gamma decay
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 LA: UK
 SHOT: BRITISH (52-10-03)
 TSHO: WATER-SURFACE
 SUJO: 2-223-200 ; 2-223-420 ; 2-225-100 ; 2-225-300
 SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
 OF
 RADIOLOGICAL DEFENSE IN THE FLEETS, VOL III
 TITL: FALLOUT DISTRIBUTION AT OPERATION HURRICAN (U), 22 P (S)
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 copy: 1 id: 40935-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 05897-4
 ADNO: 318823
 AUTH: MORGAN D.T.G.
 CLSS: S
 CORP: UNITED KINGDOM
 DATE: 6005

DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Effects on animals ionizing radiation
LA: UK
SHOT: BRITISH (56-05-16) ; BRITISH (56-06-19)
TSHO: LOW-ALT
SUJO: 2-223-200 ; 3-312-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL III
TITL: H.M.S. DIANA IN LIGHT FALLOUT, OPERATION MOSAIC (U), 18
P (S)

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copy: 1 id: 40936-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05898
ADNO: 322767
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6005
DESC: Nuclear Weapon Effects ship systems surface ships
REPN: RI 103
SUJO: 3-122-000
TEMP: B8542
TITL: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS VOLUME II (U), 278 P
(C)

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copy: 1 id: 40937-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05898-1
ADNO: 322767
AUTH: SNAY H.G.
CLSS: C
CORP: NAVY/NAVAL ORDNANCE LABORATORY (WHITE OAK-MARYLAND)
DATE: 6005
DESC: SUMMARY
DESC: Nuclear Weapon Environment Water Shock bubbles
SUJO: 2-636-000

SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

TITL: RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
UNDERWATER HYDRODYNAMIC BACKGROUND OF THE RADIOLOGICAL EFFECTS OF
NUCLEAR EXPLOSIONS (U), 47 P (C)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05898-2

ADNO: 322767

AUTH: SCHUERT E.A.

CLSS: C

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6005

DESC: Nuclear Weapon Environment fallout transfer

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: Nuclear Weapon Phenomenology base surge

DESC: Nuclear Weapon Environment Water Shock bubbles

DESC: Nuclear Weapon Environment fallout intensity contours

patterns

DESC: Nuclear Weapon Phenomenology plumes spray domes

DESC: SURVEY

SHOT: BAKER(XRD) ; WIGWAM ; WAHOO ; UMBRELLA

TSHO: UW

SUJO: 2-223-200 ; 2-224-120 ; 2-224-130 ; 2-224-300 ;
2-225-100 ;

2-636-000

SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

TITL: RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
DISPOSITION OF THE BOMB DEBRIS FROM AN UNDERWATER
NUCLEAR EXPLOSION
(U) 20 P (C)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05898-3

ADNO: 322767

AUTH: EVANS E.C.III.

CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6005
DESC: Nuclear Weapon Phenomenology base surge
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Effects ship systems surface ships
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
SHOT: UMBRELLA ; WAHOO
TSHO: UW
SUJO: 2-223-200 ; 2-224-120 ; 2-225-100 ; 3-122-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: SOME OBSERVATIONS AND SPECULATIONS ON BASE SURGE PHENOMENA (U), 22 P (C)

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copy: 1 id: 40944-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05898-4
ADNO: 322767
AUTH: KENDRICK S.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: THEORY EXPERIMENT
DESC: Nuclear Weapon Environment Water Shock bubbles
DESC: Nuclear Weapon Phenomenology base surge
DESC: Nuclear Weapon Phenomenology cloud columns stems
LA: UK
TSHO: UW
SUJO: 2-224-110 ; 2-224-120 ; 2-636-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: THEORETICAL ASPECTS OF EVENTS LEADING TO THE DEVELOPMENT OF THE BASE SURGE (U), 20 P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05898-5
ADNO: 322767
AUTH: HART W.D.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology base surge
LA: UK
TSHO: UW
SUJO: 2-224-120
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: SIMULATION OF WATER SURFACE EFFECTS FROM UNDERWATER
ATOMIC
EXPLOSIONS BY HIGH EXPLOSIVE CHARGES WITHIN THE RANGE
300 8500 LB
(U), 18 P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05898-6
ADNO: 322767
AUTH: KENDRICK S.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: Nuclear Weapon Phenomenology base surge
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology cloud columns stems
LA: UK
TSHO: UW
SUJO: 2-224-110 ; 2-224-120
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: MICROSCALE EXPERIMENTS ON THE FORMATION AND COLLAPSE OF
PLUMES AND
COLUMNS (U), 40 P (C)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 05898-7
ADNO: 322767
AUTH: MILLER C.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6005
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Nuclear Weapon Environment fallout fractionation
DESC: SURVEY
DESC: Nuclear Weapon Environment Fallout Formation mechanisms
TSHO: UW
SUJO: 2-221-000 ; 2-223-500 ; 2-225-100
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF
RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: FORMATION AND PROPERTIES OF SEAWATER FALLOUT (U), 14 P
(C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05898-8
ADNO: 322767
AUTH: MORGAN D.T.G.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: Nuclear Weapon Environment Fallout Particles chemical
composition
solubility
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: EXPERIMENTAL
LA: UK
TSHO: LOW-ALT
SUJO: 2-222-100 ; 2-223-100
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF
RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: SOME SOLUBILITY EXPERIMENTS ON MOSAIC AND GRAPPLE
FALLOUT (U), 10 P
(C)

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created: 12/27/1991 type: REPORT permanent

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INUM: 05898-9
ADNO: 322767
AUTH: LARIVIERE P.D.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6005
DESC: YAG-39 ; SURVEY
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: Nuclear Weapon Effects ship systems surface ships
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Environment fallout transport
TSHO: UW ; WATER-SURFACE
SUJO: 2-223-420 ; 2-224-200 ; 3-122-000 ; 3-312-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: SHIPBOARD RADIATION FOLLOWING NUCLEAR EXPLOSIONS IN
SEAWATER (U), 21
P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05898-10
ADNO: 322767
AUTH: BEALE E.M.L.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: Nuclear Weapon Environment fallout down fraction
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout transport
LA: UK
SUJO: 2-224-200 ; 2-225-100 ; 2-225-200
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: DEVELOPMENT OF BRITISH IDEAS ON THE DISTRIBUTION OF
MEDIUM RANGE

FALLOUT (U), 24 P (C)

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created: 12/27/1991 type: REPORT permanent

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INUM: 05898-11
ADNO: 322767
AUTH: MILES J.A.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport

LA: UK
SUJO: 4-140-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II

TITL: SOME OPERATIONAL PROBLEMS REQUIRING PRECISE DATA ON
FALLOUT EFFECTS
(U), 4 P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05898-12
ADNO: 322767
AUTH: WILLIAMS J.H.
CLSS: C
CORP: UNITED KINGDOM
DATE: 6005
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Initial Gamma angular
distribution

DESC: Nuclear Weapon Effects ship systems surface ships
DESC: Radiation Transport gamma

LA: UK
SUJO: 1-730-000 ; 3-122-000 ; 9-620-000
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF

RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II

TITL: SHIP SHIELDING (U), 26 P (C)
TREE: 411

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copy: 1 id: 40941-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05898-13
ADNO: 322767
AUTH: COOK C.S.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6005
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
SUJO: 2-223-200
SYMJ: PROCEEDINGS OF TRIPARTITE SYMPOSIUM ON TECHNICAL STATUS
OF
RADIOLOGICAL DEFENSE IN THE FLEETS, VOL II
TITL: NEUTRON INDUCED ACTIVITY FROM WEAPONS (U), 7 P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 06063
ADNO: 819646
AUTH: GRANT D.A. ; WOOD M.K.
CLSS: U
CORP: DEFENCE RESEARCH BOARD/DEFENCE CHEMICAL BIOLOGICAL AND
RADIATION
LABORATORIES (OTTOWA-CANADA) ; DEPARTMENT OF
DEFENSE/DIRECTOR OF
DEFENSE RESEARCH AND ENGINEERING (WASHINGTON-D.C.)
DATE: 6008
DESC: TABULAR
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE
DESC: Nuclear Weapon Effects structures aboveground components
LA: CANADA
SUJO: 2-611-000 ; 3-251-100
TITL: CHARTS FOR ESTIMATING BLAST HAZARD FROM MISSILE ATTACK
(U), 19 P (U)
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 06428
ADNO: 316898
AUTH: CARLETON L.T. ; KISPERSKY J.P. ; KLOTZ M.A. ;
SALTONSTALL C.W. ;
VILTER E.J.
CLSS: U
CONN: AF 33 (616) 5792
CORP: AEROJET-GENERAL CORPORATION (AZUSA-CALIFORNIA)
DATE: 6003
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
DESC: Nuclear Weapon Effects materials carbon
REPN: R 1764
SUJO: 3-248-000 ; 4-241-000
TITL: EFFECT OF HIGHAND LOW-INTENSITY RADIATION ON SOLID
COMPOSITE ROCKET
PROPELLANTS, FINAL REPORT (U), 125 P (C)

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06428
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created: 12/27/1991 type: REPORT permanent
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INUM: 06464-15
ADNO: 323311
AUTH: HALEY K.J.
CLSS: U
CONN: AF 33 (616) 36514
CORP: THIOKOL CHEMICAL CORPORATION (ELKTON-MARYLAND)
DATE: 6008
DESC: Nuclear Weapon Effects materials carbon
DESC: EXPERIMENTAL
REPN: AS 60 V 002 02622
SUJO: 3-248-000
SYMJ: TRANSACTIONS OF THE FIFTH SYMPOSIUM ON BALLISTIC MISSILE
AND SPACE
TECHNOLOGY, VOLUME II PROPULSION (U)
TITL: RADIATION EFFECTS ON THE PHYSICAL AND BALLISTIC
PROPERTIES OF
MINUTEMAN SOLID PROPELLANT (U), 28 P (C)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 06949
AUTH: WILKINS M. ; FRENCH J. ; GIROUX R.
CLSS: U
CCDE: KO
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6207
DESC: CODE
DESC: Fluid Mechanics hydrodynamics
REPN: UCRL 6919
SUJO: 9-410-000
TITL: COMPUTER PROGRAM FOR CALCULATING ONE-DIMENSIONAL
HYDRODYNAMIC FLOW
KO CODE (U), 21 P (U)

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06949
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copy: 1 id: 41659-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07042
ABS: This contractual effort was undertaken to provide the
Air Force with
the basic data required to evaluate the initial-and
residual
radiation hazards arising from very-low-yield nuclear
bursts (2
pounds to 20 tons) which might occur during an accident
involving
nuclear weapons. A graphical summary is presented of the
initial-gamma and prompt-neutron radiation for various
relative air
densities from 0.5 to 1.0 for slant ranges out to 1,200
yards and of
the induced soil activation (both doses and dose rates)
for various
slant ranges (10 to 400 yards), times, and soil
compositions. A
graphical summary is also presented of the close-in
fallout (both
doses and dose rates) versus downwind range
(approximately 10 to 3,
000 yards) for various nuclear yields from 2 pounds to
20 tons,
high-explosive weights from [REDACTED] and
no-shear wind
speeds from 5 to 30 knots. (u)

ADNO: 362282
 AUTH: DAVIS L.W. ; SUMMERS D.L.
 CLSS: SRD 1
 CONN: AF 29 (601) 4573
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM) ; DIKEWOOD
 CORPORATION (ALBUQUERQUE-NM)
 DATE: 6204
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear Warfare Theater operations scenarios battlefield
 environment
 L1
 DESC: SUMMARY TABULAR
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: Nuclear Weapon Phenomenology cloud development rise
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: Nuclear weapon safety radiological
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 DESC: Nuclear Weapon Environment fallout arrival time
 DESC: Nuclear Weapon Environment fallout down fraction
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 REPN: AFSWC TDR 62 034 ; SWC TDR 62 34
 SHOT: HAMILTON ; HUMBOLDT ; FIG
 SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 1-740-000 ;
 2-223-200 ; 2-224-100 ; 2-225-100 ; 2-225-200 ; 2-225-300 ;
 3-411-200 ; 4-838-100
 TEMP: 59092
 TITL: INITIAL AND RESIDUAL RADIATION FROM VERY-LOW-YIELD
 NUCLEAR BURSTS
 (U), 114 P (SRD)
 TNFF: 4850 ; 4860 ; 8859
 TREE: 910 ; 920
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 07042
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 copy: 1 id: 41782-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07047
 AUTH: HENDERSON B.J.

CLSS: U
CORP: GENERAL ELECTRIC COMPANY (EVANDALE-OH)
DATE: 5908
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: THEORY
DESC: Cross Sections gamma
DESC: Cross Sections neutron
REPN: XDC 59 8 179
SUJO: 3-312-000 ; 9-820-000 ; 9-830-000
TITL: CONVERSION OF NEUTRON OR GAMMA RAY FLUX TO ABSORBED DOSE
RATE,
ABSTRACT OF REPORT NO. XDC 59-8-179 (U), 27 P (U)

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07047
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copy: 1 id: 41790-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07054
AUTH: WHITE C.S.
CLSS: U
CONN: AT (29 1) 1242
CORP: LOVELACE FOUNDATION (ALBUQUERQUE-NEW MEXICO)
DATE: 5909
DESC: SURVEY
DESC: Nuclear Weapon Effects on animals blast shock pressure
DESC: Nuclear Weapon Effects on animals blast shock missiles
REPN: TID 5564
SUJO: 3-311-100 ; 3-311-300
TITL: BIOLOGICAL BLAST EFFECTS, PRESENTED BEFORE THE SPECIAL
SUBCOMMITTEE
ON RADIATION OF THE JOINT COMMITTEE ON ATOMIC ENERGY
DURING HEARINGS
ON THE BIOLOGICAL AND ENVIRONMENTAL EFFECTS OF NUCLEAR
WAR,
WASHINGTON D.C., 24 JUNE 1959

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07054
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copy: 1 id: 41794-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07276
ADNO: 277900
AUTH: WAINWRIGHT A. ; BALDWIN J.A.
CLSS: U
CORP: DEFENSE DOCUMENTATION CENTER (ALEXANDRIA-VA)
DATE: 6207

DESC: BIBLIOGRAPHY
TITL: RADIOLOGICAL WARFARE, A REPORT BIBLIOGRAPHY (U) 125 P
(U)
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07276
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copy: 1 id: 41902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07322
AUTH: ALLEN L. JR. ; BEAVERS J.L. II ; WHITAKER W.A. ; WELCH
J.A. JR. ;
WALTON R.B.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 5904
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation beta electron beams
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris
SHOT: ARGUS-1 ; ARGUS-2
TSHO: HI-ALT
SUJO: 2-217-000 ; 4-344-000 ; 4-822-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 64, NUMBER
8 (U), P 893,
AUGUST, 1959
TITL: PROJECT JASON MEASUREMENT OF TRAPPED ELECTRONS FROM A
NUCLEAR DEVICE
BY SOUNDING ROCKETS (U), 15 P (U)

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07322
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copy: 1 id: 41927-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07475
ADNO: 387140
AUTH: DEGGES T.C. ; CARPENTER R. O'B.
CLSS: SRD
CONN: AF 19 628 219
CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)
DATE: 6212
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum L1 NOT STARFISH

DESC: EXTRA STRATOSPHERIC OBSERVATION ; THEORY SUMMARY
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions L1 NOT STARFISH
 DESC: Nuclear Weapon Phenomenology High-Altitude induced
 airglow
 fluorescence L1
 DESC: Nuclear Weapon Phenomenology Fireball Chemistry L1
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry x-ray
 L1 NOT STARFISH
 REPN: AFCRL 63 210 ; GCA TR 62 30 A
 SHOT: STARFISH
 TSHO: HI-ALT
 SUJO: 2-160-000 ; 2-211-000 ; 2-214-000 ; 2-311-000 ;
 2-312-400
 TEMP: A0298
 TITL: COMPUTATION OF ATMOSPHERIC COMPOSITION CHANGES, INFRARED
 RADIATION,
 AND EVALUATION OF BACKGROUND FLUCTUATIONS ON SYSTEMS
 (U), FINAL
 REPORT, 266 P, (SRD)
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 copy: 1 id: 41951-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07736
 AUTH: BITTNER B.J. ; JESSEN P.L. ; CONNORS R.J. ; MALONE C.P.
 ; HOFFMAN
 J.R. ; PRICE H.J. ; SHURKE R.V.
 CLSS: U
 CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
 DATE: 6011
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects ordnance electroexplosive devices
 fuses
 EFFT: EMP
 EMPF: 385
 REPN: KN 60 54 (R)
 SUJO: 3-162-000
 TITL: HAZARD CREATED BY ELECTROMAGNETIC RADIATION TO SYSTEMS
 UTILIZING
 ELECTRO-EXPLOSIVE DEVICES (U), 138 P (U)
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 copy: 1 id: 42019-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 08174
AUTH: REED J.W.
CLSS: U
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6006
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external
DESC: Nuclear Weapon Environment fallout accumulation rate
DESC: Nuclear Weapon Test safety
DESC: THEORY EXPERIMENTAL
REPN: SC 4414 (RR)
TSHO: LOW-ALT
SUJO: 2-223-420 ; 2-225-400 ; 3-312-210 ; 4-856-000
TITL: COMPARISON OF FALLOUT DOSES FROM NEVADA TESTS, REVISED
(U), 46 P (U)

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08174

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copy: 1 id: 42352-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08207
ADNO: 460852
AUTH: LONG E.R.
CLSS: U
CONN: AF 29 (601) 1166
CORP: SANDBERG-SERRELL CORPORATION (PASADENA-CA) ; AIR FORCE
DATE: 5905
DESC: TABULAR
DESC: Nuclear Weapon Effects structures hard launch sites
materials

DESC: Nuclear Weapon Effects materials plastics resins
EFFT: AIRBLAST ; THERMAL ; NUCLEAR RADIATION ; GROUND SHOCK
REPN: AFSWC TR 59 49
SUJO: 3-116-200 ; 3-244-000
TITL: ANALYTICAL STUDIES, INVESTIGATION, AND PRELIMINARY
DESIGNS OF DOOR
AND FOUNDATION SEALS FOR PROTECTIVE STRUCTURES,
TECHNICAL REPORT
(U), 106 P (U)

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08207

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copy: 1 id: 42386-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 08240
ADNO: 272546
AUTH: ANTHONY A.E. JR. ; OMODA E.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6202
DESC: TABULAR
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: Radiation Transport neutron
REPN: AFSWC TDR 62 17
TSHO: HI-ALT
SUJO: 1-110-000 ; 1-120-000 ; 9-650-000
TITL: TRANSPORT OF NEUTRONS THROUGH THE ATMOSPHERE FOR A BURST
HEIGHT OF
500,000 FEET (U), 35 P (U)
TREE: 980

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08240

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copy: 1 id: 42415-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08268
AUTH: CALLER J.M.
CLSS: U
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6104
DESC: Nuclear Weapon Effects electronic subsystems
DESC: EXPERIMENTAL
EFFT: TREE ; NUCLEAR RADIATION
REPN: SCTM 62 61 (14)
SUJO: 3-210-000
TITL: STUDY OF PULSE VOLTAGES DEVELOPED BY COAXIAL CABLES
DURING PULSED
NEUTRON IRRADIATION (U), 27 P (U)
TREE: 390

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08268

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copy: 1 id: 42438-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08300
ADNO: 622301
AUTH: MAROTTA C. ; BUGER W.
CLSS: U
CCDE: ZZ
CONN: DA 49 186 ORD 1012
CORP: UNITED NUCLEAR CORPORATION (WHITE PLAINS-NY)
DATE: 6204
DESC: THEORY
DESC: Radiation Transport neutron
REPN: UNC 5006
SUJO: 9-650-000
TITL: DESCRIPTION OF AN IBM-7090 MONTE CARLO PROGRAM
(UNC-90-6) FOR THE
SOLUTION OF THE TIME DEPENDENT NEUTRON TRANSPORT PROBLEM
IN AN
ATMOSPHERE WITH DENSITY DEPENDENT ON HEIGHT (U), 55 P
(U)
TREE: 980

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08300

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copy: 1 id: 42455-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08389
ADNO: 265363
AUTH: BABCOCK R.V. ; REICHERT J.D. ; RUBY S.L.
CLSS: U
CONN: AF 29 (601) 2770
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM) ;

WESTINGHOUSE MATERIALS LABORATORIES (PITTSBURGH-PA)

DATE: 6108
DESC: test instruments nuclear radiation neutron
DESC: SUMMARY
DESC: Cross Sections neutron
REPN: AFSWC TR 61 57
SUJO: 4-342-000 ; 9-820-000
TITL: SOLID STATE JUNCTION FAST NEUTRON SPECTROMETERS,
APPENDIX II (U), 95
P (U)
TREE: 652

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08389

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copy: 1 id: 42528-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 08471
ABS: Navy gray paint surfaces were contaminated at shot Wahoo
and shot umbrella during operation Hardtack. Samples of these
surfaces were decontaminated in laboratory tests by methods simulating
fire hosing, steam cleaning, and mechanical scrubbing, both
with and without chemical additives. The results are compared
with those from similar decontamination studies conducted at Operation
Wigwam and in the laboratory using synthetic fallout.
ADNO: 315492
AUTH: LANE W.B. ; MILLER C.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5909
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic external
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: EXPERIMENTAL
REPN: USNRDL TR 0384
SHOT: WAHOO ; UMBRELLA
TSHO: UW
SUJO: 2-223-420 ; 3-312-210
TEMP: A5360
TITL: DECONTAMINATION STUDIES WITH NAVY GRAY PAINT SURFACES
CONTAMINATED
AT OPERATION HARDTACK (U), 64 P (C)
TNFF: 6290

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08471

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copy: 1 id: 42595-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08493
ABS: A fallout-prediction method should be based on all the
dynamics of the fall-out process, but current prediction models do
not provide more than generalized answers because they do not
account for early-time dynamics. A theory for close-in fallout has

been derived
in a recent attempt to account for the entire process.
In this study, the new theory is checked by developing a
mathematical fallout-prediction model. This model is used to predict
fallout patterns from 3 low-yield (about 1 KT) nuclear weapons.
These patterns are then compared with the measured test
patterns and also with patterns calculated with 2 other prediction models.
Based on these comparisons, it is concluded that the theory is
valid, at least for low-yield land-surface and shallow underground
bursts.
ABS: For underground bursts having a significant base surge,
it is indicated that the model will have to be modified to
take this effect into account before successful prediction can be
expected.
Since the basic fall-out phenomena associated with a
land-surface burst of low yield are essentially the same as those for
a high yield, it is now considered feasible to proceed with
checking the theory for higher-yield land-surface bursts. Preliminary
results indicate that the theory can be used to give successful
predictions for shots in the moderate and high yield ranges.
Accordingly, the model has been programed for an electronic computer for
land-surface bursts through the 1-KT to 100-KT range of weapon
yields. (auth)

COMPUTERS; DISTRIBUTION; EQUATIONS; FALLOUT; NUCLEAR

EXPLOSIONS

ADNO: 234359

AUTH: ANDERSON A.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5901

DESC: Nuclear Weapon Environment Fallout Formation mechanics

DESC: Nuclear Weapon Environment fallout intensity contours
patterns

DESC: Nuclear Weapon Environment Fallout Particles size
distribution

DESC: THEORY

REPN: USNRDL TR 289

SHOT: SUGAR ; ESS ; UNCLE
SUJO: 2-221-000 ; 2-222-300 ; 2-225-100
TITL: APPLICATION OF THEORY FOR CLOSE-IN FALLOUT TO LOW-YIELD
LAND SURFACE
AND UNDERGROUND NUCLEAR DETONATIONS (U), 53 P (U)

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08493

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copy: 1 id: 42614-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08494

ADNO: 233607

AUTH: CHAN H.K.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5902

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: Nuclear Weapon Environment Fallout Particles size
distribution

DESC: Nuclear Weapon Environment Fallout Particles physical
characteristics

DESC: LOCAL FALLOUT ; EXPERIMENTAL

REPN: NRDL TR 314

SUJO: 2-222-200 ; 2-222-300 ; 2-223-200

TITL: ACTIVITY-SIZE RELATIONSHIP OF FALLOUT PARTICLES FROM TWO
SHOTS,

OPERATION REDWING (U), 68 P (U)

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08494

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copy: 1 id: 42615-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08495

ADNO: 239961

AUTH: MATHER R.L.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5901

DESC: LOCAL FALLOUT 18 MIN TO 200 MIN ; EXPERIMENTAL

DESC: Nuclear Weapon Environment fallout transport

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

REPN: NRDL TR 344

SHOT: WILSON ; OWENS
SUJO: 2-223-200 ; 2-224-200
TITL: CHANCE OBSERVATIONS OF FALLOUT CLOUD TRANSIT RADIATION
AT OPERATION

PLUMBBOB (REVISED) (U), 16 P (U)

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08495

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08496

ADNO: 233344

AUTH: HENRY G. ; ANDERSON A.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5912

DESC: THEORY TABULAR

DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt

DESC: Nuclear Weapon Environment fallout arrival time

DESC: Nuclear Weapon Environment fallout intensity contours

patterns

REPN: USNRDL TR 390

TSHO: LOW-ALT ; SURFACE

SUJO: 2-225-100 ; 2-225-300 ; 3-312-100

TITL: DOSE-TIME-DISTANCE CURVES FOR CLOSE-IN FALLOUT FOR LOW
YIELD

LAND-SURFACE NUCLEAR DETONATIONS (U), 14 P (U)

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08496

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08500

ADNO: 233076

AUTH: CHAN H.K.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5909

DESC: Nuclear Test Simulation Field Programs experiment design
fallout

radioactivity

DESC: Nuclear Weapon Environment radiation decay gamma decay

DESC: test instruments nuclear radiation fallout debris

sampling

collectors
DESC: EXPERIMENTAL
REPN: USNRDL TR 363
SUJO: 2-223-420 ; 4-345-000 ; 4-821-000
TITL: ANALYSIS OF STANDARD-PLATFORM WIND BIAS IN FALLOUT
COLLECTION AT
OPERATION REDWING (U), 46 P (U)

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08500

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copy: 1 id: 42620-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08502
ADNO: 606326
AUTH: MITCHELL H.H.
CLSS: U
CONN: AF 49 (638) 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6108
DESC: Nuclear Warfare Postattack Recovery civilians population

L1

DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt

DESC: Nuclear Weapon Effects ecological
REPN: RM 2801 PR
SUJO: 3-312-100 ; 3-341-000 ; 3-442-000
TITL: ECOLOGICAL PROBLEMS AND POSTWAR RECUPERATION, A
PRELIMINARY SURVEY
FROM THE CIVIL DEFENSE VIEWPOINT (U), 38 P (U)

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08502

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08505
ADNO: 232898
AUTH: MACKIN J.L. ; ZIGMAN P.E. ; STROM P.O. ; NUCKOLLS M.J.
CLSS: U
CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 5908
DESC: SUMMARY TABULAR EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay L2 1 SEC TO
4 MIN
DESC: Orbital Mechanics L1

REPN: USNRDL TR 359 ; NS 081 001 ; AW 7
SUJO: 2-223-400 ; 9-100-000
TITL: EARLY TIME DECAY OF FISSION PRODUCT MIXTURES. I.
SCINTILLATION
COUNTER MEASUREMENTS FOLLOWING THERMAL NEUTRON FISSION
OF U 235 (U)
TECHNICAL REPORT, 16 P, (U)

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08505
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copy: 1 id: 42625-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08507
ADNO: 232085
AUTH: FREILING E.C.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5910
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: Nuclear Weapon Environment fallout fractionation
DESC: EXPERIMENTAL SUMMARY
REPN: USNRDL TR 385
TSHO: SURFACE ; WATER-SURFACE
SUJO: 2-223-410 ; 2-223-500
TITL: FRACTIONATION I. HIGH-YIELD SURFACE BURST CORRELATION
(U), 33 P (U)

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08507
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copy: 1 id: 42627-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08538
ADNO: 926094
AUTH: DAY R.P. ; ALVARES N.J. ; LAUGHRIDGE F.I. ; ULBERG J.C.
; HAMMOND

R.R.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5901
DESC: Nuclear Weapon Environment Airblast static overpressure
ARRIVAL TIME
DESC: Nuclear weapon test yield
DESC: Nuclear Weapon Environment Thermal Output rate

DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy

Coupling L9 P 56 ENERGY PARTITION

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity

REPN: USNRDL TR 309

SHOT: SMOKY ; FRANKLIN PRIME ; DOPPLER ; SHASTA ; STOKES ;
OWENS ; KEPLER

; JOHN ; DIABLO ; HOOD ; PRISCILLA ; WILSON ; FRANKLIN

; BOLTZMANN

TSHO: LOW-ALT

SUJO: 1-210-000 ; 1-240-000 ; 2-150-000 ; 2-611-000 ;
4-835-000

TEMP: A8114

TITL: AIRBORNE THERMAL RADIATION MEASUREMENTS AT OPERATION
PLUMBBOB (U),

74 P (SRD)

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08538

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copy: 1 id: 42651-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08542

ADNO: 231332

AUTH: ANDERSON A.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5910

DESC: Nuclear Weapon Environment fallout accumulation rate

DESC: Nuclear Test Simulation Field Programs experiment design
fallout

radioactivity

DESC: Nuclear Warfare Theater operations scenarios battlefield
environment

L1

DESC: SUMMARY

DESC: Nuclear Weapon Environment fallout intensity contours
patterns

REPN: USNRDL TR 0369

SUJO: 2-225-100 ; 2-225-400 ; 3-411-200 ; 4-821-000

TITL: WIND-MEASURING SYSTEM FOR THE TACTICAL PREDICTION OF
FALLOUT (U), 32

P (U)

TNFF: 4860

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08542

.endblock

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copy: 1 id: 42655-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08543
ADNO: 227444
AUTH: GIBBONS M.G. ; RUDKIN R.L. ; NICHOLS J.R. ; LAUGHRIDGE
F.I. ;
STURGIS R.L. ; KRENIK R.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5907
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques thermal optical
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
REPN: USNRDL TR 357
SUJO: 4-280-000 ; 5-200-000
TITL: GROUND-TO-AIR TRANSMISSION OF VISIBLE AND NEAR INFRARED
RADIATION
FROM A 4-PI SOURCE (U), 32 P (U)

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copy: 1 id: 42656-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08548
ADNO: 226250
AUTH: FARLOW N.H.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5904
DESC: Nuclear Weapon Environment fallout arrival time
DESC: Nuclear Weapon Environment Fallout Particles size
distribution
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout transfer
REPN: USNRDL TR 347
TSHO: WATER-SURFACE
SUJO: 2-222-300 ; 2-224-300 ; 2-225-300
TITL: ATMOSPHERIC REACTIONS OF SLURRY DROPLET FALLOUT (U), 31
P (U)

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copy: 1 id: 42661-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08549
ADNO: 229199
AUTH: COOK C.S.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5910
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: EXPERIMENTAL
REPN: USNRDL TR 318
SUJO: 2-223-200 ; 2-223-420
TITL: ENERGY SPECTRUM OF GAMMA RADIATION FROM FALLOUT (U), 24
P (U)

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08549
.endblock
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copy: 1 id: 42662-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08550
ADNO: 229280
AUTH: SCHELL W.R.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5909
DESC: Nuclear Weapon Environment Fallout Particles chemical
composition
solubility
DESC: EXPERIMENTAL
REPN: NRDL TR 364
SHOT: FLATHEAD ; NAVAJO
TSHO: WATER-SURFACE
SUJO: 2-222-100
TITL: IDENTIFICATION OF MICRON-SIZED, INSOLUBLE-SOLIDS FALLOUT
PARTICLES
COLLECTED DURING OPERATION REDWING (U), 23 P (U)

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08550
.endblock
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copy: 1 id: 42663-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: 08564
ADNO: 60660
AUTH: LAITIN H.
CLSS: U
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6111
DESC: SURVEY
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
REPN: P 2523
SUJO: 3-312-100
TITL: SOME EFFECTS OF RADIATION ON MAN (U), 18 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08576
ADNO: 241240
AUTH: MILLER C.F.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6005
DESC: Nuclear Weapon Environment radiation decay
DESC: THEORY TABULAR
DESC: Nuclear Weapon Environment Fallout Formation mechanics
DESC: Nuclear Weapon Environment Fallout Particles
REPN: USNRDL TR 425
SUJO: 2-221-000 ; 2-222-000 ; 2-223-400
TITL: THEORY OF FORMATION OF FALLOUT FROM LAND-SURFACE NUCLEAR
DETONATIONS
AND DECAYOF THE FISSION PRODUCTS (U), 120 P (U)

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copy: 1 id: 42683-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08577
ABS: A fall-out computation method should be based on all the
dynamics of the fall-out process, but current computation models do
not provide more than generalized answers because they do not

account for early
time dynamics. In the attempt to account for the entire
process, a
theory for close-in fall-out was originated. This theory
was checked
by developing from it a mathematical fall-out model for
land-surface
bursts and then using this model to compute fall-out
dose-rate
patterns for two low-yield nuclear tests in Nevada. From
a
comparison of these patterns with the measured test
patterns, it is
concluded that the theory, as embodied in the D model,
is sound, at
least for low-yield land-surface bursts. Also,
preliminary results
indicate that the theory can be used to give accurate
computations
for bursts in the moderate and high-yield ranges. (auth)

COMPUTERS;

EARTH; EFFICIENCY; FALLOUT;

ABS: MATHEMATICS; MEASURED VALUES; NUCLEAR EXPLOSIONS;
PROGRAMMING;

RADIATION DOSES; STANDARDS; SURFACES

ADNO: 236207

AUTH: ANDERSON A.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6004

DESC: Nuclear Weapon Environment fallout intensity contours
patterns

DESC: THEORY EXPERIMENTAL

REPN: USNRDL TR 410

SHOT: SUGAR ; UNCLE

TSHO: UG-VENTED ; SURFACE

SUJO: 2-225-100

TITL: NRDL DYNAMIC MODEL FOR FALLOUT FROM LAND-SURFACE NUCLEAR
BURSTS (U),

48 P (U)

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copy: 1 id: 42684-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08578

ADNO: 260391

AUTH: KALTWASSER M.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6106

DESC: THEORY

DESC: Nuclear Weapon Environment Water Shock bubbles

DESC: Nuclear Weapon Environment Water Shock velocity arrival time

spectrum duration

REPN: USNRDL TR 513

TSHO: UW

SUJO: 2-632-000 ; 2-636-000

TITL: HYDRA PROGRAM UNDERWATER EXPLOSION BUBBLES TIME HISTORY

(U), 16 P

(U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 08589

ADNO: 256807

AUTH: SHAPIRO E.S. ; HUEBSCH I.O.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6105

DESC: THEORY

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra

REPN: USNRDL TR 507

SUJO: 2-223-200

TITL: CALCULATION OF RADIATION DOSE RATE FROM CYLINDRICAL AIRBORNE

FISSION-PRODUCT SOURCES (U), 31 P (U)

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08589

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copy: 1 id: 42695-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08595

ADNO: 655426

AUTH: TOMOEDA S. ; HASTINGS M.B. ; MILLER W.G.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6004

DESC: EXPERIMENTAL
 DESC: Cross Sections gamma L1 STEEL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external
 REPN: USNRDL TR 412
 SUJO: 3-312-210 ; 9-830-000
 TITL: EXPERIMENTAL DATA OF GAMMA-RAY PENETRATION INTO THE
 COMPARTMENTS OF
 A LIGHT AIRCRAFT CARRIER (U), 160 P (U)
 TREE: 411
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 08595
 .endblock
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 copy: 1 id: 42701-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08640
 ADNO: 287649
 AUTH: ZAGORITES H.A. ; CARR E.A. ; LEE D.Y.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CA)
 DATE: 6208
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 EFFT: NUCLEAR RADIATION
 REPN: USNRDL TR 577
 SUJO: 3-221-000
 TITL: EFFECTS OF NUCLEAR RADIATION ON SHIPBOARD ELECTRONIC
 EQUIPMENT, 1.
 SOME EFFECTS OF SIMULATED TRANSIT RADIATION ON PARTS, A.
 TRANSISTORS
 (U), 234 P (U)
 TREE: 310
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 08640
 .endblock
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 copy: 1 id: 42761-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08697
 ADNO: 242509
 AUTH: WELLS M.B.
 CLSS: U
 CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX)

DATE: 6008
DESC: TABULAR
DESC: Radiation Transport neutron
REPN: NARF 60 8 T ; FZK 9 147 VOL 2
SUJO: 9-650-000
TITL: MONTE CARLO CALCULATIONS OF FAST-NEUTRON SCATTERING IN
AIR (U), 277

P (U)
TREE: 970

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08697
.endblock
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copy: 1 id: 42797-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08700
ADNO: 242934
AUTH: MARCUM J.I.
CLSS: U
CCDE: ZZ
CONN: AF 49 (638) 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6007
DESC: AIR ; THEORY TABULAR CODE
DESC: Cross Sections neutron
DESC: Radiation Transport neutron
REPN: RM 2556
SUJO: 9-650-000 ; 9-820-000
TITL: NEUTRON FLUXES IN AIR, A COMPARISON OF MONTE CARLO CODE
COMPUTATIONS

BY RAND, LOS ALAMOS, AND SANDIA (U), 57 P (U)
TREE: 970

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08700
.endblock
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copy: 1 id: 42799-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08701
ADNO: 270624
AUTH: WELLS M.B.
CLSS: U
CCDE: C-18
CONN: DA 23 072 ORD 1407
CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX)
DATE: 6112
DESC: THEORY CODE
DESC: Cross Sections gamma

DESC: Cross Sections neutron
DESC: Radiation Transport gamma
DESC: Radiation Transport neutron
REPN: FZK 134 3
SUJO: 9-620-000 ; 9-650-000 ; 9-820-000 ; 9-830-000
TITL: RADIATION RESISTANT COMBAT VEHICLE INVESTIGATION, FINAL
REPORT,

VOLUME III-MONTE CARLO MULTILAYER SLAB GEOMETRY
SHIELDING CODE C-18

(U), 161 P (U)

TREE: 411 ; 412

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08701

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copy: 1 id: 42800-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08764

AUTH: KINNEY W.E.

CLSS: U

CONN: W 7405 ENG 26

CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TN)

DATE: 6207

DESC: Radiation Transport neutron

DESC: TABULAR THEORY

REPN: ORNL 3287

SUJO: 9-650-000

TITL: MONTE CARLO CALCULATION OF SCATTERED NEUTRON FLUXES AT
AN AIR-GROUND

INTERFACEDUE TO POINT ISOTROPIC SOURCES ON THE INTERFACE

(U), 34 P

(U)

TREE: 970

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08764

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copy: 1 id: 42867-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08965

ADNO: 228281

AUTH: GASKE M.C. ; SPORE R.R. JR.

CLSS: U

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)

DATE: 5907

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L1

DESC: Nuclear Weapon Effects flight systems airplanes L5
EFFT: FALLOUT
REPN: AFSWC TN 59 5 ; SWC TN 59 5
SUJO: 3-111-000 ; 3-312-100
TITL: AIRCRAFT CONTAMINATION FROM RESIDUAL STRATOSPHERIC
NUCLEAR WEAPON
DEBRIS (U), 33 P (U)

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08965

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copy: 1 id: 43029-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08973
ADNO: 232439
AUTH: SCHLEMM C.L. ; ANTHONY A.E. JR. ; BURSON Z.G.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 5901
DESC: Cross Sections gamma
DESC: Radiation Transport gamma
DESC: EXPERIMENTAL
REPN: AFSWC TN 59 6 ; SWC TN 59 6
SUJO: 9-620-000 ; 9-830-000
TITL: SCATTERED GAMMA RADIATION MEASUREMENTS FROM A CO 60
CONTAMINATED
FIELD, TECHNICAL NOTE (U), 117 P (U)

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08973

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copy: 1 id: 43036-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08975
ADNO: 235320
AUTH: SCHLEMM C.L. ; ANTHONY A.E. JR.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 5906
DESC: Radiation Transport gamma
DESC: EXPERIMENTAL
DESC: Cross Sections gamma
REPN: AFSWC TN 59 18 ; SWC TN 59 18
SUJO: 9-620-000 ; 9-830-000
TITL: SCATTERED GAMMA RADIATION MEASUREMENTS FROM A

LANTHANUM-140

CONTAMINATED FIELD(U), 57 P (U)

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copy: 1 id: 43038-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08976

ADNO: 235304

AUTH: BLAYLOCK J.A. ; OMODA E. ; HIPPELI E.M.

CLSS: U

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE

BASE-NM)

DATE: 6001

DESC: test instruments nuclear radiation neutron

DESC: SULFUR ; EXPERIMENTAL

REPN: AFSWC TN 59 36

SUJO: 4-342-000

TITL: SULFUR AS A SENSITIVE TOTAL NEUTRON DOSIMETER, TECHNICAL

NOTE (U),

26 P (U)

TREE: 652

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08976

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copy: 1 id: 43039-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: 09128

CLSS: U

CONN: W 7405 ENG 48

CORP: TEXAS A AND M COLLEGE (COLLEGE STATION-TX) ; LAWRENCE

RADIATION

LABORATORY (LIVERMORE-CA)

DATE: 6207

DESC: Nuclear Warfare Postattack Recovery resources water L1

REPN: UCRL 13048

SUJO: 3-448-200

TITL: RESEARCH ON RADIOACTIVE CONTAMINATION OF GROUND-WATER
AQUIFERS,

STUDIES OF THEMIGRATION OF RADIOISOTOPES IN HOMOGENEOUS

VERTICAL

COLUMNS, INTERIM REPORT (U), 50 P (U)

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09128

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09149
AUTH: SMITH A.E.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6104
DESC: test instruments nuclear radiation gamma
REPN: AFSWC TN 61 5 ; SWC TN 61 5
SUJO: 4-341-000
TITL: TEST RESULTS, NUCLEAR RADIATION MEASURING AND RECORDING
SET, A/E 33
D-1 (XV-1) (U), 13 P (U)
TREE: 651

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09149

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copy: 1 id: 43203-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09154
AUTH: SWIFT L.M.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6101
DESC: Nuclear Energy Peaceful Applications excavation L1
DESC: Nuclear Weapon Environment Ground Shock craters
excavations
REPN: UCRL 13029
SUJO: 2-625-000 ; 3-481-000
TITL: STUDY OF SOME CRATERING CRITERIA FOR PROJECT CHARIOT
(U), 39 P (U)

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09154

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09155
AUTH: GRINE D.R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6105
DESC: EXPERIMENTAL

DESC: Soil Rock Properties Equation of State Conductivity L1
EOS GRANITE

SALT

REPN: UCRL 13004

SUJO: 6-300-000

TITL: EQUATIONS OF STATE OF GRANITE AND SALT (U), 21 P (U)

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09155

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09183

AUTH: MCLAUGHLIN A.G. ; SOLTIS F.S. ; WALKER B.R.

CLSS: U

CORP: ZIMNEY CORPORATION (MONROVIA-CA) ; LAWRENCE RADIATION
LABORATORY

(LIVERMORE-CA)

DATE: 6209

DESC: test instruments nuclear radiation fallout debris
sampling

collectors

DESC: SUMMARY

REPN: UCRL 13054 ; TR 62 0165 2

SUJO: 4-345-000

TITL: FEASIBILITY STUDY OF ROCKET AND LAUNCHING SYSTEMS FOR
PARTICULATE

SAMPLING OF CLOUDS (U), 51 P (U)

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09183

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09198

AUTH: LANGHAM W.H. ; BELL P. ; GODFREY L. STEARNS H.

CLSS: U

CONN: W 7405 ENG 36

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)

DATE: 6003

DESC: BIBLIOGRAPHY

DESC: Nuclear Weapon Effects on animals ionizing radiation

REPN: LAMS 2343

SUJO: 3-312-000

TITL: LITERATURE SEARCH ON THE RELATIVE BIOLOGICAL
EFFECTIVENESS (RBE) OF

IONIZING RADIATIONS (U), 251 P (U)

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copy: 1 id: 43248-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09201
AUTH: LANGHAM W.H.
CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6208
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal
REPN: LADC 5310
SUJO: 3-312-220
TITL: RADIATION EXPOSURE TO PEOPLE FROM NUCLEAR WEAPON TESTS
THROUGH 1961
(U), 20 P (U)

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09201
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copy: 1 id: 43251-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09222
ABS: Reclamation data from Operation Plumbbob are used to
illustrate a
method of treating and analyzing such data obtained in
field-test
experiments. The method utilizes available
radiation-scattering
computations to estimate the contribution OF radiation
sources
outside reclaimed areas to the radiation field inside
the areas.
These contributions are then subtracted to determine a
more accurate
value of the true effectiveness of the reclamation
procedure or
procedures.

ADNO: 219720
AUTH: MILLER C.F.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 5904
DESC: Experimental

DESC: Nuclear Warfare recovery decontamination
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
SHOT: Coulomb C
REPN: USNRDL TR 321
SUJO: 2-225-100 ; 3-312-000 ; 3-448-900
TITL: ANALYSIS OF RADIOLOGICAL DECONTAMINATION DATA OBTAINED
FROM FIELD TESTS (U), 79 P (U)

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09222

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created: 12/27/1991 type: REPORT permanent

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INUM: 09236
AUTH: KNOX J.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6102
DESC: Nuclear Energy Peaceful Applications resource production
water L1
REPN: UCRL 6326
SUJO: 3-483-300
TITL: NUCLEAR EXPLOSIVES POTENTIAL APPLICATIONS TO WATER
RESOURCES
DEVELOPMENT (U), 18 P (U)

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09236

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09241
AUTH: HIGGINS G.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6108
DESC: Nuclear Energy Peaceful Applications resource production
water L1
REPN: UCRL 6588
SUJO: 3-483-300
TITL: WATER CONSERVATION WITH NUCLEAR EXPLOSIVES (U), 9 P (U)
.block
09241

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copy: 1 id: 43274-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09253
AUTH: GRUSH S.G. ; WENSRICH C.J.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6108
DESC: Solid Mechanics
DESC: equation of state heat of vaporization thermal
conductivity opacity
DESC: BIBLIOGRAPHY
DESC: Plasma Physics MHD fusion
REPN: UCRL 6473
SUJO: 9-200-000 ; 9-500-000 ; 9-710-000
TITL: ANNOTATED BIBLIOGRAPHY OF THEORIES OF THE EQUATION OF
STATE OF
IONIZED GASES AND STRONG ELECTROLYTE SOLUTIONS (U), 69

P (U)

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09253

.endblock

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copy: 1 id: 43286-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09266
AUTH: YOUNG D.D. JR.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6206
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
REPN: UCRL 6889
SHOT: MINNOW ; COWBOY
TSHO: UG-CONTAINED
SUJO: 2-627-000
TITL: FRACTURE SYSTEMS INDUCED IN A DECOUPLED SHOT CAVITY (U),

78 P (U)

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09266

.endblock

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copy: 1 id: 43295-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09270
CLSS: U
CONN: W 7405 ENG 48
CORP: TEXAS AGRICULTURAL AND MECHANICAL COLLEGE (COLLEGE
STATION-TX) ;
LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6106
DESC: Nuclear Weapon Environment fallout transfer
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ecological
REPN: UCRL 13010
SUJO: 2-224-300 ; 3-341-000
TITL: MIGRATION OF STRONTIUM THROUGH QUARTZ SAND (U), 50 P (U)

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09270

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copy: 1 id: 43299-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09383
ADNO: 373550
AUTH: HIPPELI E.M. ; SUMMERS D.L.
CLSS: SRD 1
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 5908
DESC: Radiation Transport neutron
DESC: THEORY TABULAR
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
REPN: AFSWC TN 59 25 ; SWC TN 59 25
TSHO: HI-ALT
SUJO: 1-110-000 ; 1-120-000 ; 9-650-000
TEMP: 77793
TITL: RESULTS OF MONTE CARLO NEUTRON PROGRAM FOR A BURST
HEIGHT OF 250,000
FEET (U), 39 P (SRD)

TREE: 920

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09383

.endblock

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copy: 1 id: 43406-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09575
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6110
DESC: Civil Defense shelters L1
DESC: Civil Defense economic considerations cost analysis L1
REPN: UCRL 6654
SUJO: 3-474-000 ; 3-478-000
TITL: STUDY OF DESIGN AND COST DATA FOR FAMILY AND SMALL-GROUP
FALLOUT

SHELTERS(U), 37 P (U)

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09575

.endblock

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copy: 1 id: 43579-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09660
AUTH: FREILING E.C.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6106
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
SUJO: 2-223-100 ; 2-223-410 ; 2-223-500
SYMJ: SCIENCE, VOL. 133 (U), 1991 1998 P (U)
TITL: RADIONUCLIDE FRACTIONATION IN BOMB DEBRIS (U), 7 P (U)

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09660

.endblock

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copy: 1 id: 43637-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 10924
ADNO: 705335
AUTH: TAFEL P.W.
CLSS: U
CONN: NBY 37641
CORP: STAMFORD ENGINEERING LABORATORY (STAMFORD-CT)
DATE: 6200

DESC: Nuclear Weapon Effects electrical mechanical pipes
valves fittings

L1 BLAST VALUES BLAST

DESC: nuclear test detection bomb alarm display systems L1
THERMAL

DETECTOR

DESC: Nuclear Weapon Effects structures hard launch sites
materials L1

BLAST PROTECTION

REPN: NAVDOCKS P 148

SUJO: 3-116-200 ; 3-236-000 ; 4-920-000

TITL: INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR BLAST
VALVES,

THERMAL RADIATION SENSOR AND THERMAL RADIATION TEST
EMITTER (U), 92

P, (U)

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10924

.endblock

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copy: 1 id: 44762-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 11127

ADNO: 341165

AUTH: DAY R.P. ; ALVARES N.J. ; LAUGHRIDGE F.I.

CLSS: SRD 1

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5901

DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment Thermal Output rate L1

DESC: Nuclear weapon test yield L1 THERMAL YIELD

REPN: USNRDL TR 309

SHOT: SMOKY ; FRANKLIN ; PRAIRIE ; DOPPLER ; SHASTA ; STOKES
; OWENS ;

KEPLER ; JOHN ; DIABLO ; HOOD ; PRISCILLA ; WILSON ;
FRANKLIN ;

BOLTZMANN

TSHO: LOW ALT

SUJO: 1-210-000 ; 1-240-000 ; 4-835-000

TEMP: 73529

TITL: AIRBORNE THERMAL RADIATION MEASUREMENTS AT OPERATION
PLUMBBOB (U),

74 P, (SRD)

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11127

.endblock

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copy: 1 id: 44922-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 11942
ADNO: 512052L
AUTH: MATHER R.L.
CLSS: SRD 1
CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO CA)
DATE: 6009
DESC: Cross Sections neutron L1
DESC: test instruments nuclear radiation neutron L1
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L1
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1 SUBSURFACE MEASUREMENTS
REPN: USNRDL TR 465
SHOT: OWENS ; LAPLACE ; WILSON
TSHO: LOW-ALT
SUJO: 1-110-000 ; 1-120-000 ; 4-342-000 ; 9-820-000
TEMP: A8118
TITL: NEUTRON ENERGY EFFECTS AND INDUCED ACTIVATION (PLUMBBOB
OBSERVATIONS) (U), 45 P., (SRD)
TREE: 920

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11942

.endblock

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copy: 1 id: 45609-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 12123
ADNO: 514324
AUTH: BURRELL M.O. ; DOUGLASS C.C. ; RITCHIE W.B. ; WHITON
J.C.

CLSS: SRD
CCDE: ZZ (GAMMA TRANSPORT)
CONN: DA 01 009 509 RRD 752
CORP: LOCKHEED AIRCRAFT CORP / GEORGIA DIV
DATE: 6105
DESC: Radiation Transport gamma L1
DESC: CLOSE IN OBSERVATION ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1 WILSON HOOD

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L1 WILSON HOOD
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1

WITHIN TANK
REPN: LAC NR 121
SHOT: WILSON ; HOOD
TSHO: LOW ALT
SUJO: 1-110-000 ; 1-710-000 ; 3-312-100 ; 9-620-000
TEMP: 79089
TITL: NUCLEAR RADIATION DOSES IN RADIOLOGICALLY SHIELDED
VEHICLES (U), 239
P., (SRD)

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12123

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copy: 1 id: 45727-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 12752

CLSS: U

CCDE: TECH OPS ; DUSTY III ; PUGH-GALIANO ; ARMY SYSTEM ;
SIGNAL CORPS

SYSTEM ; RADFO ; CIVIL DEFENSE FO

CORP: DEFENSE ATOMIC SUPPORT AGENCY ; NAVAL RADIOLOGICAL
DEFENSE LAB.

DATE: 6209

DESC: SUMMARY CODE

DESC: Nuclear Weapon Environment fallout Deposition L1

DESC: Nuclear Weapon Effects on animals ionizing radiation L5

DESC: Nuclear Weapon Phenomenology cloud Motion L1

SUJO: 2-224-000 ; 2-225-000 ; 3-312-000

TITL: COMPILATION OF RADIOACTIVE FALLOUT PREDICTION SYSTEMS,
VOL. 1 (U),

139 P., (U)

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12752

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copy: 1 id: 46301-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 12753

CLSS: C 3

CCDE: AFIC FO MODEL ; SANDIA FO ; DROPSY ; FORD INST.

CORP: DEFENSE ATOMIC SUPPORT AGENCY ; NAVAL RADIOLOGICAL
DEFENSE LAB.

DATE: 6209

DESC: Nuclear Weapon Environment fallout Deposition L1

DESC: SUMMARY CODE

DESC: Nuclear Weapon Phenomenology cloud Motion L1

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

SUJO: 2-224-000 ; 2-225-000 ; 3-312-000

TEMP: A0149
TITL: COMPILATION OF RADIOACTIVE FALLOUT PREDICTION SYSTEMS,
VOL. 2 (U), 64 P., (C)

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12753

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copy: 1 id: 46302-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 12754

CLSS: U

CCDE: RAND SIMPLIFIED ; LRL FO ; USWB FO ; USNRDL D ;
MILLER-ANDERSON

CORP: DEFENSE ATOMIC SUPPORT AGENCY ; NAVAL RADIOLOGICAL
DEFENSE LAB.

DATE: 6209

DESC: SUMMARY CODE

DESC: Nuclear Weapon Phenomenology cloud Motion L1

DESC: Nuclear Weapon Environment fallout Deposition L1

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

SUJO: 2-224-000 ; 2-225-000 ; 3-312-000

TITL: COMPILATION OF RADIOACTIVE FALLOUT PREDICTION SYSTEMS,
VOL. 3 (U), 40 P., (U)

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12754

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copy: 1 id: 46303-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 13312

ADNO: 386543

CLSS: U

CCDE: PRESS

CONN: AF 33 (616) 8158

CORP: AIR FORCE SYSTEMS COMMAND, AERONAUTICAL SYSTEMS DIV.
(WRIGHT-PATTERSON AFB, OHIO)

DATE: 6111

DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1

TRANSFORMERS

DESC: EMP TREE SIMULATION ; THEORY

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 RESISTORS

CAPACITORS

DESC: Nuclear Weapon Effects electronic subsystems guidance

control L1

GAM-77 M-H96 B-58 CONTROL SYSTEM

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1 TRANSISTORS DIODES

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1

BAND PASS AMPLIFIER NETWORK AMPLIFIER

REPN: ASD TDR 62 232

SUJO: 3-211-000 ; 3-213-000 ; 3-221-000 ; 3-222-000 ; 3-225-000 ;

3-229-000

SYST: X-15 ; B-58

TEMP: A0790

TITL: STUDY OF SOME RADIATION EFFECTS PROBLEMS WITH RESPECT TO FLIGHT

CONTROL INSTRUMENTATION (U), CA. 50 P., (U)

TREE: 398 ; 342

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13312

.endblock

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copy: 1 id: 46795-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13500

AUTH: MCNEILLY J.H. ; KINCH J.W. ; RIGOTTI D.L.

CLSS: SRD 1

CORP: ARMY, CHEMICAL CORPS RESEARCH AND DEVELOPMENT COMMAND (ARMY CHEMICAL

CENTER, MD.)

DATE: 6007

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1

BIOLOGICAL NEUTRON DOSE

DESC: Nuclear Weapon Environment Prompt Neutron source strength total

fluence L1

REPN: D68 10827 ; 12716 ; CRDLR 3008

SHOT: YUMA ; KICKAPOO ; OSAGE ; BLACKFOOT ; ERIE ; FRANKLIN ; WILSON ;

PRISCILLA ; OWENS ; SMOKY ; FIG ; HAMILTON ; HUMBOLDT

TSHO: SURFACE ; LOW-ALT

SUJO: 1-110-000 ; 3-312-100

TEMP: A1313

TITL: MULTIPLE COLLISION THEORY NEUTRON DOSE VERSUS SINGLE COLLISION

THEORY NEUTRON DOSE (U), 15 P., (SRD)

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13500
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copy: 1 id: 46993-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13505
AUTH: MAERKER R.E. ; KELLER F.L. ; PENNY S.K. ; ETHRIDGE N.H.
; ZOBEL W. ;
MUCKENTHALER F.J.
CLSS: SRD 1
CONN: W 7405 ENG 26
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TENN.)
DATE: 6012
DESC: Cross Sections neutron L1 LEAD IRON POLYETHYLENE INSIDE
AND BEHIND
ARMOR PLATES
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
INSIDE ARMORED TANKS
DESC: Cross Sections gamma L1
REPN: D69 01315 ; 16243 ; ORNL 3034
SHOT: MORA ; LEA ; SOCORRO
TSHO: SURFACE
SUJO: 3-312-100 ; 9-820-000 ; 9-830-000
TEMP: A6097
TITL: SHIELDING OF TANKS FROM RADIATION DUE TO DETONATION OF
NUCLEAR
DEVICES (U), 115 P., (SRD)
TREE: 411 ; 412

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13505
.endblock
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copy: 1 id: 46998-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 13510
AUTH: FINK W.L. ; GORDON J.W. ; WHEELER G.A.
CLSS: SRD 1
CONN: NAS8 1609
CORP: GENERAL DYNAMICS, NUCLEAR AEROSPACE RESEARCH FACILITY
(FORT WORTH,
TEX.)
DATE: 6206
REPN: D69 01326 ; 17678 ; FZK 146
TEMP: A1329
TITL: INVESTIGATION OF RADIATION EFFECTS PROBLEMS IN NUCLEAR
HEAT

EXCHANGER ROCKETS; ANNUAL SUMMARY REPORT (U), 91 P.,
(SRD)
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13510
.endblock
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copy: 1 id: 47006-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13514
AUTH: HINKLE N.E. ; WOODS J.W. ; ZUKAS J.C.
CLSS: SRD 1
CONN: W 7405 ENG 26
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TENN.)
DATE: 6112
REPN: D69 01329 ; 17057 ; ORNL 3226
TEMP: A1332
TITL: RADIATION EFFECTS ON STRUCTURAL METALS (U), 65 P., (SRD)
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13514
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copy: 1 id: 47009-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13515
CLSS: SRD 1
CORP: WESTINGHOUSE ELECTRIC CORP., ASTRONUCLEAR LAB.
(PITTSBURGH, PA.)
DATE: 6106
REPN: D69 01330 ; 16586 ; AFFTC TR 61 45 (5)
TEMP: A1333
TITL: NUCLEAR ROCKET STUDY, VOL. 5-RADIATION EFFECTS MATERIALS
(U), 150 P., (SRD)
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13515
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copy: 1 id: 47010-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13527
ADNO: 335237
CLSS: U
CONN: AF 33 (616) 7513
CORP: IBM CORP. (OWEGO, NY)
DATE: 6102

DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 DESC: SIMULATION (REACTOR) ; THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory L1
 DESC: Nuclear Weapon Effects electronic subsystems guidance
 control L1
 TREE
 DESC: Nuclear Weapon Effects missile systems tactical L1
 ELECTRONICS
 REPN: D69 01382 ; 24285 ; IBM CD 3 260 4449
 SUJO: 3-112-300 ; 3-211-000 ; 3-212-000 ; 3-221-000
 TEMP: A1346
 TITL: RADIATION-RESISTANT COMPUTER FEASIBILITY STUDY; FINAL
 REPORT FOR
 PHASES I AND II (U), CA. 400 P., (C)
 TREE: 341
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 13527
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 copy: 1 id: 47022-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13528
 ADNO: 335239
 CLSS: C
 CONN: AF 33 (657) 7475
 CORP: IBM, FSD SPACE GUIDANCE CENTER (OWEGO, NY)
 DATE: 6205
 DESC: Nuclear Weapon Effects materials plastics resins L5
 DESC: Nuclear Weapon Effects electronic pieceparts magnetic
 devices L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 VACUUM TUBES
 CAPACITORS
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits L1
 DESC: TREE NEUTRONS GAMMA RAYS SIMULATION ; THEORY
 EXPERIMENTAL SURVEY
 DESC: Nuclear Weapon Effects flight systems airplanes L1
 ELECTRONICS
 DESC: Nuclear Weapon Effects electronic subsystems guidance
 control L1
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 DIODES
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory L1
 DESC: Nuclear Weapon Effects materials composites L5

EFFT: TREE
 REPN: D69 01383 ; 24294 ; IBM CD 3 260 4712
 SUJO: 3-111-000 ; 3-211-000 ; 3-212-000 ; 3-221-000 ;
 3-222-000 ; 3-225-000 ; 3-229-000 ; 3-244-000 ; 3-249-000
 TEMP: A1347
 TITL: NUCLEAR RADIATION-RESISTANT COMPUTER TECHNIQUES, STATUS
 REPORT FOR PHASE 4 (U), CA. 350 P., (S)
 TREE: 341
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 copy: 1 id: 47023-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13529
 ADNO: 335238
 CLSS: C 4
 CONN: AF 33 (616) 7513
 CORP: IBM, FSD SPACE GUIDANCE CENTER (OWEGO, NY)
 DATE: 6111
 DESC: Nuclear Weapon Effects materials metals alloys L1
 DESC: test instruments hardened instruments L1 COMPUTER
 DESC: Nuclear Weapon Effects electronic subsystems guidance
 control L1
 FLIGHT CONTROL PROPULSION SYSTEM CONTROL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 TUNNEL DIODES GA AS
 TUNNEL DIODES
 TEMPERATURE TRANSISTORS DIODES
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 DESC: SIMULATION (NUCLEAR REACTOR) TREE ; THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 RESISTORS
 CAPACITORS
 INDUCTORS TUBES TRANSFORMERS MULTI APERTURE RELUCTANCE
 SWITCH GO TO
 SHIFT REGISTER BIASED CORE LOGIC INVERTER CLOCK
 GENERATOR SQUARE
 WAVE GENERATOR PULSE TRANSFORMER COINCIDENT CURRENT
 MEMORY INHIBIT
 DRIVER CONTROL LOOPS DIGITAL TO ANALOG CONVERTER
 MAGNETIC DRUM UNIT
 LOGIC DEVICE
 DESC: Nuclear Weapon Effects electronic pieceparts integrated

circuits L1

REPN: D69 01384 ; 24295 ; IBM CD 3 260 4631
SUJO: 3-211-000 ; 3-212-000 ; 3-221-000 ; 3-222-000 ;
3-229-000 ; 3-231-000 ; 3-243-000 ; 4-360-000
TEMP: A1348
TITL: RADIATION-RESISTANT COMPUTER FEASIBILITY STUDY, FINAL
REPORT FOR PHASE 3 (U), CA. 400 P., (C)
TREE: 300 ; 341
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13529
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copy: 1 id: 47024-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13530
ADNO: 341665
AUTH: BUCHTA J.C.
CLSS: SRD 1
CORP: GENERAL ELECTRIC, ELECTRONICS LAB. (SYRACUSE, NM.)
DATE: 6008
DESC: Nuclear Weapon Environment Initial Gamma L1
DESC: SURVEY
DESC: Nuclear Weapon Environment Prompt Neutrons L1
DESC: Nuclear Weapon Effects electronic subsystems computers

memory L1

REPN: DF 60 ELS 85
SUJO: 1-100-000 ; 1-700-000 ; 3-212-000
TEMP: A1349
TITL: WEAPON RADIATION EFFECTS AND DIGITAL COMPUTERS (U), 28
P., (SRD)
TREE: 341
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13530
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copy: 1 id: 47025-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13563
ADNO: 345607
CLSS: SRD 1
CONN: AF 33 (616) 8341
CORP: IBM, FSD SPACE GUIDANCE CENTER (OWEGO, NY)
DATE: 6206
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
SENSE AMPLIFIER

DESC: Nuclear Weapon Effects electronic subsystems computers
 memory L1
 DIGITAL COMPUTER CIRCUITS R-C CIRCUITS DIFFERENTIATOR
 CIRCUITS
 LINEAR CIRCUITS COMMON COLLECTOR CONFIGURATIONS
 SWITCHING CIRCUITS
 VOLTAGE REGULATOR
 DESC: SIMULATION (SANDIA PULSED REACTOR FACILITY TREE ; THEORY
 EXPERIMENTAL
 REPN: D69 01659 ; 31012 ; IBM CD 3 260 4769 A
 SUJO: 3-212-000 ; 3-213-000
 TEMP: A1384
 TITL: RADIATION EFFECTS STUDY OF DIGITAL COMPUTER CIRCUITS AND
 COMPONENTS,
 VOL. 2 (U), 83 P., (SRD)
 TREE: 341
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 13563
 .endblock
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 copy: 1 id: 47057-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 13751
 ADNO: 385539
 AUTH: MAGEE R.M. ; BROWN G.M. ; ROSEN S.I. ; TAULBEE C.D.
 CLSS: SRD 1
 CORP: AIR FORCE SYSTEMS COMMAND (WRIGHT-PATTERSON AFB, OHIO)
 DATE: 6208
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources L5
 DESC: SUMMARY
 REPN: ASD TDR 62 242 VOL. 2
 SUJO: 4-241-000
 SYST: PLUTO ; ROVER ; SLAM
 TEMP: A1802
 TITL: DESIGN TECHNIQUES FOR FLIGHT CONTROL SYSTEMS IN NUCLEAR
 RADIATION
 ENVIRONMENTS, VOL. 2 (U), CA. 25 P., (SRD)
 TREE: 398 ; 420
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 13751
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 copy: 1 id: 47205-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 13793
 ADNO: 324925

AUTH: ABBOTT H.M.
CLSS: C
CONN: AF 04 (647) 564
CORP: LOCKHEED MISSILES AND SPACE CO. (SUNNYVALE, CA.)
DATE: 6107
DESC: Nuclear Weapon Effects ordnance propellants solid L1
DESC: Nuclear Weapon Effects ordnance explosives L1
DESC: X-RAYS GAMMA RAYS ELECTRONS NEUTRONS PROTONS ALPHA AND
BETA

PARTICLES ; BIBLIOGRAPHY
REPN: SB 61 26
SUJO: 3-163-000 ; 3-164-000
TEMP: A0795
TITL: RADIATION EFFECTS ON PROPELLANTS AND EXPLOSIVES; AN
ANNOTATED BIBLIOGRAPHY (U), 43 P., (C)

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13793

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copy: 1 id: 47244-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 13894
ADNO: 342563
AUTH: OESTMANN M.
CLSS: SRD 1
CONN: AF 33 (616) 6564 ; AF 33 (616) 5171
CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS
INFORMATION CENTER
(COLUMBUS, OHIO)

DATE: 5906
DESC: Nuclear Weapon Effects ordnance propellants solid L1
DESC: Nuclear Weapon Effects ordnance explosives L1
DESC: NUCLEAR RADIATION ; BIBLIOGRAPHY SUMMARY
SUJO: 3-163-000 ; 3-164-000
TEMP: A0757
TITL: EFFECT OF NUCLEAR RADIATION ON EXPLOSIVES AND SOLID
PROPELLANTS (U),
20 P., (SRD)

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13894

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copy: 1 id: 47314-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 13899
ADNO: 244600
AUTH: ROOTS Y.K. ; PHILLIPS T.D.

CLSS: U
 CORP: NAVAL PROPELLANT PLANT (INDIAN HEAD, MD.)
 DATE: 6006
 DESC: Nuclear Weapon Effects ordnance propellants solid L1
 GAMMA ALL
 (DOUBLE-BASE) CDT (HYBRID)
 DESC: STEADY STATE IRRADIATION CO-60 ; EXPERIMENTAL
 REPN: TM 179
 SUJO: 3-164-000
 TITL: EFFECT OF GAMMA RADIATION FROM COBALT 60 ON THE
 MECHANICAL
 PROPERTIES OF SOLID PROPELLANTS ALL AND CDT (U), 8 P.,
 (U)
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 13899
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 13921
 CLSS: U
 CONN: N 178 7705
 CORP: NAVAL WEAPONS LAB. (DAHLGREN, VA.)
 DATE: 6105
 DESC: THEORY EXPERIMENTAL
 REPN: D72 02366 ; 18306 ; F A2424
 TEMP: A1458
 TITL: PROCEEDINGS OF HERO CONGRESS, 1961, ON HAZARDS OF
 ELECTROMAGNETIC
 RADIATION TO ORDNANCE (U), CA. 200 P., (U)
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 13921
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13923
 ADNO: 328767
 AUTH: RITCHIE R.
 CLSS: C 1
 CORP: ROYAL AIRCRAFT ESTABLISHMENT
 DATE: 6106
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 GE TRANSISTORS
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network L1 TRANSISTOR POWER INVERTOR

DESC: SIMULATION (NUCLEAR REACTOR LIGHT FLASH) TREE PERMANENT
 RADIATION EFFECTS FLASH TEMPERATURE EFFECTS ; THEORY EXPERIMENTAL
 LA: UK
 REPN: ARM TN 661
 SUJO: 3-219-000 ; 3-221-000
 TEMP: A1460
 TITL: DEVELOPMENT OF A TRANSISTOR POWER INVERTOR FOR ARMAMENT
 APPLICATIONS, WITH SPECIAL REFERENCE TO RELIABILITY AND
 SUSCEPTIBILITY TO NUCLEAR RADIATION (U), CA. 40 P., (C)
 TREE: 310
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 13923
 .endblock
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 copy: 1 id: 47337-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13928
 ADNO: 327221
 CLSS: U
 CONN: DA 23 072 ORD 1534
 CORP: GENERAL DYNAMICS/FORT WORTH, NUCLEAR RESEARCH AND
 DEVELOPMENT LAB.
 (FORT WORTH, TEX.)
 DATE: 6112
 DESC: Cross Sections neutron L1 COMBAT VEHICLE SHIELDING
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L5
 INSIDE COMBAT VEHICLE
 REPN: D72 02396 ; FZK 133 1
 SUJO: 3-312-100 ; 9-820-000
 TEMP: A1465
 TITL: RADIOLOGICALLY PROTECTED POD STUDY, VOL. 1-DESIGN AND
 FABRICATION
 (U), 125 P., (U)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 14010
 ADNO: 273824
 AUTH: GARDNER R.E.
 CLSS: U
 CONN: NAS 7 100
 CORP: NASA

DATE: 6112
DESC: STEADY STATE IRRADIATION (CO-60)/GAMMA ; EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance propellants solid L1
PBAA DOUBLE

BASE POLYURETHANE
REPN: TR 32 234
SUJO: 3-164-000
TITL: EFFECTS OF IONIZING RADIATION ON SOLID ROCKET MOTOR
COMPONENTS (U),
16 P., (U)

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14010

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 14079
CLSS: C 3
CONN: AF 33 (600) 38946
CORP: CONVAIR (FORT WORTH, TEX.)
DATE: 6007
REPN: D72 02372 ; 12660 ; NARF 60 28P
TEMP: A1531
TITL: NARF PROGRESS REPORT, RADIATION EFFECTS (1 FEBRUARY 1960
THROUGH 31
JULY 1960) (U), 247 P., (C)

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14079

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copy: 1 id: 47478-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 14080
CLSS: U
CONN: AF 33 (600) 38946
CORP: CONVAIR (FORT WORTH, TEX.)
DATE: 6101
REPN: D72 02375 ; 14093 ; NARF 61 3P
TEMP: A1532
TITL: NARF PROGRESS REPORT, RADIATION EFFECTS (1 AUGUST 1960
THROUGH 31
JANUARY 1961) 194 P., (U)

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14080

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copy: 1 id: 47479-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 14081
CLSS: U
CONN: AF 33 (600) 38946
CORP: GENERAL DYNAMICS (FORT WORTH, TEX.)
DATE: 6107
REPN: D72 02376 ; 15230 ; NARF 61 28P
TEMP: A1533
TITL: NARF PROGRESS REPORT, RADIATION EFFECTS (1 FEBRUARY 1961
THROUGH 31
JULY 1961) (U), 124 P., (U)

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14081
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copy: 1 id: 47480-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14083
CLSS: U
CONN: NOW 62 0666 C
CORP: QUANTATRON, INC. (SANTA MONICA, CA.)
DATE: 6209
REPN: D72 02392 ; 19234 ; QI 134
TEMP: A1535
TITL: HIGH INTENSITY RADIATION DEVICE (U), 48 P., (U)

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copy: 1 id: 47482-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14085
ADNO: 337191
AUTH: HANSEN H.H. ; WINTHER K.T. ; RASMUSSEN F.B. ;
VESTERGAARD J.
CLSS: C 1
CORP: DANISH DEFENCE RESEARCH BOARD
DATE: 6212
REPN: D72 02399 ; 22794 ; D 04 MWP AF 62
TEMP: A1537
TITL: DEVELOPMENT OF A LOW COST EXPENDABLE PERSONNEL RADIATION
DOSIMETER
(U), 9 P., (C)

TREE: 655
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14085

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copy: 1 id: 47484-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14086
ADNO: 336525
AUTH: HANSEN H.H. ; LARSEN C. ; WINTHER K.T.
CLSS: C 1
CORP: DANISH DEFENCE RESEARCH BOARD
DATE: 6212
REPN: D72 02400 ; 22795 ; D 03 MWP AF 61
TEMP: A1538
TITL: DEVELOPMENT AND EVALUATION OF A LOW COST GAMMA RADIATION
ANALYSER

(U), CA. 15 P., (C)

TREE: 651

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14086

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copy: 1 id: 47485-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14087
ADNO: 335806
CLSS: C 1
CONN: DRB 900102
CORP: RCA VICTOR CO., LTD. (MONTREAL, CANADA)
DATE: 6212
LA: CANADA
REPN: D72 02402 ; 22803
TEMP: A1539
TITL: SILICON JUNCTION RADIATION DETECTOR (U), CA. 50 P., (C)
TREE: 651

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14087

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copy: 1 id: 47486-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14111
AUTH: FINK W.L. ; GORDON J.W. ; THOMPSON C.A.
CLSS: CRD 1
CONN: NAS 8 1609
CORP: GENERAL DYNAMICS, NUCLEAR AEROSPACE RESEARCH FACILITY
(FORT WORTH,

TEX.)
DATE: 6110
REPN: D72 02361 ; 16244 ; FZK 137
TEMP: A1563
TITL: INVESTIGATION OF RADIATION EFFECTS PROBLEMS IN NUCLEAR
HEAT

EXCHANGER ROCKETS, PHASE 1 SUMMARY REPORT (U), 83 P.,

(CRD)

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14111

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 14123

ADNO: 312368

AUTH: MARCINIAK W.J. ; PHILLIPS T.D.

CLSS: C 3

CORP: NAVAL PROPELLANT PLANT (INDIAN HEAD, MD.)

DATE: 5907

REPN: D72 02368 ; 10479 ; TMR 159

TEMP: A1576

TITL: EFFECT OF GAMMA RADIATION FROM COBALT 60 ON THE
MECHANICAL PROPERTIES OF AHH AND ARP DOUBLE-BASE SOLID PROPELLANTS

(U), 13 P.,

(C)

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14123

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copy: 1 id: 47522-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 14126

ADNO: 373708

AUTH: WALKER R.C. ; SCARBOROUGH J.R.

CLSS: U

CORP: CHANCE VOUGHT CORP., AERONAUTICS AND MISSILES DIV.
(DALLAS, TEX.)

DATE: 6207

REPN: D72 02478 ; 33890

TEMP: A1579

TITL: NUCLEAR RADIATION EFFECTS TEST ON THERMAL AND
SILVER-ZINC BATTERIES
(U), CA. 50 P., (U)

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14126

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copy: 1 id: 47525-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14206
CLSS: C 3
CORP: NAVY, DAVID TAYLOR MODEL BASIN (WASH., D.C.)
DATE: 6212
DESC: Nuclear Weapon Effects ship systems surface ships L5
STANDOFF
DISTANCE SHOCK
DESC: Nuclear Weapon Effects ship systems submarines L5 SHOCK
DESC: Nuclear Test Simulation Field Programs concepts
capability
philosophy L5
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external L5 SHIPBOARD HAZARD
DESC: Nuclear Weapon Environment Water Shock special studies
temperature
gradients L5 BOTTOM REFLECTION
DESC: Target Analysis system studies submarines L5
REPN: SML 740 21 ; DASA 70178
TSHO: UW
SUJO: 2-639-000 ; 3-121-000 ; 3-122-000 ; 3-312-210 ;
3-431-310 ;
4-810-000
TEMP: B2422
TITL: CLASSIFIED TITLE, 34 P., (C)

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14206

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copy: 1 id: 47609-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14448
ADNO: 269871
AUTH: PECKHAM H.L. JR.
CLSS: U
CORP: AIR FORCE INSTITUTE OF TECHNOLOGY (WRIGHT-PATTERSON AFB,
OHIO)
DATE: 6108
DESC: Nuclear Weapon Effects materials wood paper cellulose
films L1
PHOTOGRAPHIC FILMS SIMULATION (COBALT-60)
DESC: PARTS ARE ILLEGIBLE ; EXPERIMENTAL
EFFT: GAMMA
SUJO: 3-246-000
TITL: EFFECTS OF GAMMA-RAY RADIATION ON SIX SELECTED

SATELLITE-RECONNAISSANCE FILMS (U), 60 P., (U)

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copy: 1 id: 47840-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14516
AUTH: BONHAM K.
CLSS: U
CONN: AT (45 1) 540
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 5912
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake
L1
DESC: Nuclear Weapon Environment Fallout beta intensities L1
DESC: Nuclear Weapon Environment radiation decay beta decay L1
DESC: ENIWETOK A
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
REPN: UWFL 63
SUJO: 2-223-300 ; 2-223-430 ; 3-312-220 ; 3-332-220
TITL: FURTHER CONTRIBUTIONS ON GROSS BETA RADIOACTIVITY OF
BIOLOGICAL AND
RELATED SAMPLES AT THE ENIWETOK PROVING GROUND,
1952-1958 (U), 41
P., (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14517
AUTH: PALUMBO R.F.
CLSS: U
CONN: AT (45 1) 540
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 5908
DESC: Nuclear Weapon Environment Fallout beta intensities L5
SEAWATER
DESC: Nuclear Weapon Effects on plants ionizing radiation

chronic uptake

L1
DESC: ENIWETOK A BOGOMBOGO I ; EXPERIMENTAL
REPN: UWFL 61 (DEL.)
SHOT: NECTAR
SUJO: 2-223-300 ; 3-332-220
TITL: GROSS BETA RADIOACTIVITY OF THE ALGAE AT ENIWETOK ATOLL,
1954-1956
(U), 32 P., (U)

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14517

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copy: 1 id: 47899-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14520
ADNO: 269385
AUTH: SUSSKIND C.
CLSS: U
CONN: AF 41 (657) 114
CORP: UNIVERSITY OF CALIFORNIA, ELECTRONICS RESEARCH LAB.
(BERKELEY, CA.)
DATE: 6106
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals RF microwave L1
MICROWAVES
SUJO: 3-314-000
TITL: LONGEVITY STUDY OF THE EFFECTS OF 3-CM MICROWAVE
RADIATION ON MICE
(U), CA. 30 P., (U)

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14520

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copy: 1 id: 47902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14521
AUTH: LOWMAN F.G. ; PALUMBO R.F. ; SOUTH D.J. ; WEEKS D.R.
CLSS: U
CONN: AT (45 1) 540
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 5901
DESC: ENIWETOK A ; EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1

REPN: UWFL 57

SUJO: 2-223-100 ; 3-312-220

TITL: BIOLOGICAL AND GEOGRAPHICAL DISTRIBUTION OF W 185 IN THE
VICINITY OF

THE ENIWETOK TEST SITE, APRIL SEPTEMBER 1958 (U), 37 P.,

(U)

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14521

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copy: 1 id: 47903-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14527

AUTH: PALUMBO R.F.

CLSS: U

CONN: AT (45 1) 1385

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY, (SEATTLE,
WASH.)

DATE: 6202

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1

DESC: BIKINI A ENIWETOK A ; SUMMARY

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

REPN: UWFL 79

SUJO: 3-312-220 ; 3-332-220

TITL: RADIOACTIVITY IN THE BIOTA AT ISLANDS OF THE CENTRAL
PACIFIC 1954

1958 (U), 63 P., (U)

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14527

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14528

AUTH: CHAKRAVARTI D. ; HELD E.E.

CLSS: U

CONN: AT (45 1) 540

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 6001

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
DESC: RONGELAP A ; EXPERIMENTAL
REPN: UWFL 64
SUJO: 3-312-220
TITL: POTASSIUM AND CESIUM 137 IN BURGUS LATRO (COCONUT CRAB)
MUSCLE
COLLECTED AT RONGELAP ATOLL (U), 12 P., (U)

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copy: 1 id: 47910-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 14529
AUTH: CHAKRAVARTI D. ; EISLER R.
CLSS: U
CONN: AT (45 1) 540
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 5903

DESC: RONGELAP A ; EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

REPN: UWFL 59

SUJO: 3-312-220

TITL: STRONTIUM-90 AND GROSS BETA ACTIVITY IN THE FAT AND
NON-FAT

FRACTIONS OF COCONUT CRAB (BIRGUS LATRO) LIVER COLLECTED
AT RONGELAP

ATOLL DURING MARCH 1958 (U), 10 P., (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 14530
AUTH: PALUMBO R.F. ; LOWMAN F.G. ; WELANDER A.D. ; WEEKS D.R.
CLSS: U
CONN: AT (45 1) 540
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 5902

DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic L1
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 chronic L1
 DESC: ENIWETOK A ; EXPERIMENTAL
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 REPN: UWFL 58
 SHOT: WAHOO
 TSHO: UW
 SUJO: 2-223-100 ; 3-312-200 ; 3-332-200
 TITL: DISTRIBUTION OF RADIOACTIVITY IN SEA WATER AND MARINE
 ORGANISMS
 FOLLOWING AN UNDERWATER NUCLEAR DETONATION AT THE
 ENIWETOK TEST SITE
 IN 1958 (U), 47 P., (U)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 14966
 AUTH: OLESEN H. ; BENEDICT R.
 CLSS: SRD
 CONN: 04 (694) 202
 CORP: GENERAL ELECTRIC CO., REENTRY SYSTEMS DEPT.
 (PHILADELPHIA, PA.)
 DATE: 6211
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects reentry systems RV electronics L1
 A&F thermal
 batteries silver zinc batteries timers baroswithes
 magnetic inertial
 switches frangible circuits TIMM LRL station Sandia
 station ; test
 operations residual radiation contamination L5
 EFFT: TREE ; neutrons ; gamma ; IEMP
 REPN: 62 SD 885
 SHOT: SMALL BOY
 TSHO: SURFACE
 SUJO: 3-113-300 ; 4-856-000
 SYST: MK 3 ; MK 6
 TEMP: 29989
 TITL: NUCLEAR EFFECTS FROM PULSED RADIATION TO ARMING AND
 FUZING AND
 ELECTRONIC COMPONENTS (U), 142 P., (SRD)
 TREE: 397
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 14966
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copy: 1 id: 48252-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 15021
AUTH: RAYMOND J.P. ; WILLIS J.
CLSS: U
CONN: DA 28 043 AMC 00423 (E)
CORP: NORTHROP CORP. VENTURA DIV. (NEWBURY PARK, CA.) ;
UNIVERSITY OF
CALIF. (LOS ANGELES, CA.)
DATE: 6000
DESC: THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
EFFT: TREE
SUJO: 3-221-000 ; 3-222-000
TITL: GENERALIZED MODEL ANALYSIS OF IONIZING RADIATION EFFECTS
IN
SEMICONDUCTOR DEVICES (U), 25 P., (U)
TREE: 250

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15021
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copy: 1 id: 48290-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 15072
AUTH: HOPKINS G.R. ; WEIMAN A.L.A. ; WILLIS D.E.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6212
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1 CABLE
DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: GA 3616
SUJO: 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON COAXIAL CABLES (U), 43
P., (U)
TREE: 390
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15072
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copy: 1 id: 48334-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 15075
AUTH: BOTH E. ; BRUEMMER H.P. ; SCHLOSSER W.
CLSS: U
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT.
MONMOUTH, NJ)
DATE: 6209
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: EXPERIMENTAL
EFFT: TREE
REPN: AELRDL TR 2313
SUJO: 3-231-000
TITL: TRANSIENTS INDUCED IN ELECTRICAL CABLES BY NUCLEAR
RADIATION PULSES
(U), 29 P., (U)
TREE: 390

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copy: 1 id: 48337-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15277
AUTH: PERKINS C.W.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON,
CA.)
DATE: 6200
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1 CABLE
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
REPN: FR 63 17 36
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO.
1, FIRST
QUARTERLY PROGRESS REPORT, 1 JUNE 1962 TO 31 AUGUST 1962
(U), 25 P.,
(U)
TREE: 390 ; 370

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15277
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copy: 1 id: 48510-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15278
AUTH: PERKINS C.W.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6200
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
RESISTORS
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
REPN: FR 63 17 37
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO. 2, SECOND
QUARTERLY PROGRESS REPORT, 1 SEPTEMBER 1962 TO 30 NOVEMBER 1962 (U),
20 P., (U)
TREE: 390 ; 370

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copy: 1 id: 48511-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15477
AUTH: HONNOLD V.R. ; EMMERT R.R. ; PEFFLEY W.M.
CLSS: U
CONN: NONR 3653 (00)
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6212
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 GE CRYSTAL NA CE KCE KB CRYSTALS
EFFT: TREE
REPN: FR62 17 144
SUJO: 3-220-200
TITL: INVESTIGATION OF BASIC MECHANISMS OF TRANSIENT HIGH ENERGY RADIATION
EFFECTS IN INSULATORS AND SEMICONDUCTORS (U), 50 P., (U)

TREE: 200
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15477
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copy: 1 id: 48669-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15710
CLSS: U
CONN: AF 33 (600) 40462
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6110
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS DIODES
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network L1 CATHODE FOLLOWER
DESC: SIMULATION (PULSED REACTOR LINAC) ; EXPERIMENTAL
DESC: Simulation Facilities Techniques TREE L1 LINAC
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 TANTALUM
CAPACITORS
CARBON COMPOSITION RESISTORS THYRATONS
EFFT: TREE
REPN: IBM 61 521 13
SUJO: 3-219-000 ; 3-221-000 ; 3-229-000 ; 3-231-000 ;
4-241-000 ;
4-272-000
TITL: PULSED RADIATION EFFECTS ON ELECTRONIC COMPONENTS;
FOURTH TRIANNUAL
REPORT (U), 178 P., (U)
TREE: 310 ; 370 ; 380
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15710
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copy: 1 id: 48858-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15736
AUTH: HUNTER E.T. ; WANNEMACHER H.E.
CLSS: U

CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT.
 MONMOUTH, NJ)
 DATE: 6210
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 GE TRANSISTORS
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 EFFT: TREE
 REPN: AELRDL TR 2310
 SUJO: 3-221-000
 TITL: TRANSIENT AND STEADY-STATE NUCLEAR RADIATION EFFECTS ON
 GERMANIUM
 PNP ALLOY TANSISTORS (U), 15 P., (U) ALLOY TRANSISTORS
 (U), 15 P.,
 (U)
 TREE: 310
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 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15738
 AUTH: CALDWELL R.S.
 CLSS: U
 CONN: AF 33 (616) 7804
 CORP: BOEING AIRPLANE CO. (SEATTLE, WASH.)
 DATE: 6100
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
 EFFT: TREE
 REPN: D2 90040
 SUJO: 3-221-000
 TITL: SOME RECENT RESULTS CONCERNING TRANSIENT RADIATION
 EFFECTS IN
 TRANSISTORS (U), 25 P., (U)
 TREE: 310
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 15738
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 copy: 1 id: 48885-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 15747
 CLSS: U
 CONN: DA 36 039 SC 85395

CORP: IBM CORP. (OWEGO, NY)
 DATE: 6200
 DESC: SIMULATION (PULSED REACTOR FLASH X-RAY) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 GLASS
 DIELECTRIC CAPACITORS
 EFFT: TREE
 REPN: IBM 63 521 1
 SUJO: 3-229-000
 TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR
 RADIATION ON
 ELECTRONIC PARTS AND MATERIALS; REPORT NO. 9 (U), 50 P.,
 (U)
 TREE: 370
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 15747
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 copy: 1 id: 48894-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15751
 AUTH: MAROTTA C. ; GRUBER C.
 CLSS: U
 CCDE: EDIT
 CONN: DA 49 186 ORD 1012
 CORP: UNITED NUCLEAR CORP. (WHITE PLAINS, NY)
 DATE: 6208
 DESC: THEORY
 DESC: Radiation Transport neutron L1
 DESC: Radiation Transport gamma L1
 REPN: UNC 5031
 SUJO: 9-620-000 ; 9-650-000
 TITL: DESCRIPTION OF AN IBM-7090 MONTE CARLO PROGRAM FOR THE
 SOLUTION OF
 THE TIME DEPENDENT NEUTRON AND GAMMA TRANSPORT PROBLEMS
 IN AN
 ATMOSPHERE WITH DENSITY DEPENDENT ON HEIGHT (U), 73 P.,
 (U)
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 15751
 .endblock
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 copy: 1 id: 48898-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15752
 AUTH: KALOS M.H.

CLSS: U
 CONN: DA 18 108 405 CML 1007
 CORP: UNITED NUCLEAR CORP.
 DATE: 6205
 DESC: Radiation Transport neutron L1
 DESC: Radiation Transport gamma L1
 DESC: THEORY
 REPN: NDL TR 36 ; UNC 5014
 SUJO: 9-620-000 ; 9-650-000
 TITL: METHODS IN MONTE CARLO SOLUTION OF THE RADIATION
 TRANSPORT EQUATION
 (U), 44 P., (U)
 TREE: 960 ; 970
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 copy: 1 id: 48899-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 15753
 AUTH: COOPER M.J. ; PAYNE M.G.
 CLSS: U
 CORP: DIAMOND ORDNANCE FUZE LABS. (WASH., DC)
 DATE: 6206
 DESC: THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 TRANSISTORS
 REPN: DOFL TR 975 SUP. 1
 SUJO: 3-221-000
 TITL: NUCLEAR RADIATION DAMAGE TO TRANSISTORS; VOL. 2,
 PERMANENT DAMAGE;
 PT. 1, THEORETICAL ASPECTS (U), 35 P., (U)
 TREE: 310
 .block
 15753
 .endblock
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 copy: 1 id: 48900-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15974
 ADNO: 440293
 AUTH: WIKNER E.G. ; HORIYE H. ; HARRITY J.W. ; VAN LINT V.A.J.
 CLSS: U
 CONN: DA 49 186 3RD 822
 CORP: GENERAL ATOMIC
 DATE: 6204
 DESC: SIMULATION (LINAC PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts materials
 basic mechanisms L1 GE SI TE
 EFFT: TREE
 REPN: GA 3087
 SUJO: 3-220-200
 TITL: DISPLACEMENT RADIATION EFFECTS (U), 74 P., (U)
 TREE: 200
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 15974
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 copy: 1 id: 49094-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15999
 ADNO: 261278
 AUTH: COSGROVE S.L. ; DUELTGEN R.L.
 CLSS: U
 CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS
 INFORMATION CENTER
 (COLUMBUS, OH.)
 DATE: 6105
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects materials fuels lubricants L1
 EFFT: NEUTRON ; GAMMA
 REPN: REIC 19
 SUJO: 3-238-000
 TITL: EFFECT OF NUCLEAR RADIATION ON LUBRICANTS AND HYDRAULIC
 FLUIDS (U),
 75 P., (U)
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 15999
 .endblock
 .block
 copy: 1 id: 49115-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16026
 ADNO: 525484L
 AUTH: DAY R.P. ; HOPTON R.L. ; ALVARES N.J. ; ULBERG J.C. ;
 HAMMOND R.R.
 CLSS: SFRD
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 5908
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1 AIRBORNE OBSERVATION
 DESC: Nuclear Weapon Environment Thermal Output rate L5
 REPN: NRDL TR 330

SHOT: CHEROKEE ; ZUNI ; FLATHEAD ; DAKOTA ; APACHE ; NAVAJO ;
TEWA ; HURON

; LACROSSE ; MOHAWK ; INCA ; KICKAPOO
SUJO: 1-210-000 ; 1-240-000

SYST: B-47E ; B-52B ; B-66 ; B-57B ; F-84F ; F-101A

TEMP: A4106

TITL: MEASUREMENT OF THERMAL RADIATION INCIDENT ON USAF
AIRCRAFT IN

FLIGHT, OPERATION REDWING (U), CA. 250 P., (SFRD)

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16026

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copy: 1 id: 49133-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16036

ADNO: 331524

CLSS: U

CONN: AF 04 (611) 8188

CORP: THIOKOL CHEMICAL CORP. (ELKTON, MD.)

DATE: 6209

DESC: Solar Phenomena L1 RADIATION ENVIRONMENT OF SPACE

DESC: Nuclear Weapon Effects ordnance propellants solid L1

EFFT: X-RAY

REPN: E139 62

SUJO: 3-164-000 ; 5-900-000

TITL: DEVELOPMENT OF SOLID ROCKET PROPELLANT SYSTEM CAPABLE OF
WITHSTANDING EXTENDED STORAGE IN SPACE ENVIRONMENT (U),

35 P., (U)

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16036

.endblock

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copy: 1 id: 49139-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16221

AUTH: DONALDSON L.R.

CLSS: U

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 5900

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L5

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L5

DESC: Nuclear Weapon Effects on plants ionizing radiation

chronic uptake

L5

DESC: SUMMARY

EFFT: RADIONUCLIDES

REPN: PACE 21

SUJO: 2-223-100 ; 3-312-220 ; 3-332-220

TITL: RADIOBIOLOGICAL STUDIES AT THE ENIWETOK TEST SITE AND
ADJACENT AREAS

OF THE WESTERN PACIFIC (U), 7 P., (U)

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16221

.endblock

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copy: 1 id: 49277-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16296

AUTH: CHAKRAVARTI D. ; HELD E.E.

CLSS: U

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 6200

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1

REPN: PACE 23 ; UFWL 77

SUJO: 3-312-220 ; 3-332-220

SYMJ: JOURNAL OF FOOD SCIENCE 1963 V.28 NO. 2 P. 221-228

TITL: CHEMICAL AND RADIOCHEMICAL COMPOSITION OF THE
RONGELAPESE DIET (U),
8 P., (U)

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16296

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copy: 1 id: 49336-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16297

AUTH: DONALDSON L.R.

CLSS: U

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)

DATE: 6000

DESC: SUMMARY OF SURVEYS
REPN: PACE 24 ; UFWL 64
TITL: EVALUATION OF RADIOACTIVITY IN THE MARINE ENVIRONMENT OF
THE PACIFIC
PROVING GROUND (U), 11 P., (U)

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16297

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copy: 1 id: 49337-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16299
AUTH: HELD E.E.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY
DATE: 6000
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: EXPERIMENTAL SUMMARY
REPN: PACE 15
SUJO: 3-312-220
TITL: LAND CRABS AND FISSION PRODUCTS AT ENIWETOK ATOLL (U),
10 P., (U)

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16299

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copy: 1 id: 49339-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16301
AUTH: WALKER R.B. ; HELD E.E. ; GESSEL S.P.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON
DATE: 6100
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1 FIELD SURVEY REDUCTION BY FERTILIZING

DESC: EXPERIMENTAL SUMMARY
REPN: PACE 39
SUJO: 3-332-220
TITL: RADIOCESIUM IN PLANTS GROWN ON RONGELAP ATOLL SOILS (U),
5 P., (U)

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16301

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copy: 1 id: 49341-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16329
AUTH: PALUMBO R.F.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 6200
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on plants integrated effects L1
LONG-TERM
INVESTIGATION
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic L5
DESC: Nuclear Weapon Environment radiation decay gamma decay
L5 P 185
REPN: PACE 12
SHOT: NECTAR
TSHO: SURFACE
SUJO: 2-223-420 ; 3-332-200 ; 3-335-000
TITL: RECOVERY OF THE LAND PLANTS AT ENIWETOK ATOLL FOLLOWING
A NUCLEAR
DETONATION (U), 15 P., (U)

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16329
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copy: 1 id: 49365-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16330
AUTH: LOWMAN F.G.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 6000
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L5
DESC: EXPERIMENTAL SUMMARY
REPN: PACE 84
SUJO: 2-223-100 ; 3-312-220
TITL: MARINEBIOLOGICAL INVESTIGATIONS AT THE ENIWETOK TEST
SITE (U), 33
P., (U)

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16330
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copy: 1 id: 49366-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16337
AUTH: SEYMOUR A.H.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION, DIVISION OF BIOLOGY AND
MEDICINE (WASH.,
D.C.)
DATE: 5900
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
SUJO: 3-312-220
TITL: DISTRIBUTION OF RADIOISOTOPES AMONG MARINE ORGANISMS IN
THE WESTERN
CENTRAL PACIFIC (U), 12 P., (U)

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16337
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copy: 1 id: 49380-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16342
AUTH: PALUMBO R.F.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON
DATE: 6100
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
REPN: PACE 22
SUJO: 3-312-220
TITL: DIFFERENCE IN UPTAKE OF RADIOISOTOPES BY MARINE AND
TERRESTRIAL
ORGANISMS (U), 6 P., (U)

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16342
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copy: 1 id: 49385-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16345
AUTH: LOWMAN F.G. ; PALUMBO R.F.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION
BIOLOGY (SEATTLE,
WASH.)
DATE: 6200
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: EXPERIMENTAL SUMMARY
REPN: PACE 26
SUJO: 2-223-100
TITL: OCCURRENCE OF BISMUTH-207 AT ENIWETOK ATOLL (U), 4 P.,
(U)

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16345

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copy: 1 id: 49388-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 16363
AUTH: VAN LINT V.A.J. ; NICHOLS D.K. ; WEIMAN A.L.A. ; WILLIS
D.E. ;

HOPKINS G.R.

CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6212
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials metals alloys L1 CU
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1 MG O (-150 TO 700 DEGREES C) GE NITROGEN

GAS

DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1

SIMULATED CABLES

EFFT: GAMMA
REPN: GA 3609
SUJO: 3-220-200 ; 3-231-000 ; 3-243-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT
NO. 2 (U),
70 P., (U)
TREE: 390 ; 200

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16363

.endblock

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copy: 1 id: 49399-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16365
AUTH: GERSTEIN B. ; SCHLUETER A. ; FUEYO A.
CLSS: U
CONN: DA 36 039 AMC 00002 (E)
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6212
DESC: EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
SUJO: 4-170-000
TITL: EFFECTS OF NUCLEAR RADIATION ON FREQUENCY CONTROL
DEVICES (U), CA.
50 P., (U)
TREE: 367

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16365

.endblock

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copy: 1 id: 49400-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16518
ADNO: 306946
AUTH: CARLETON L.T. ; KISPERSKY J.P. ; KLOTZ M.A. ; MISBUCK E.
; VILTER

E.J.

CLSS: U
CONN: AF 33 (616) 5792
CORP: AEROJET-GENERAL CORP. (AZUSA, CA.)
DATE: 5904
DESC: Description No Vulnerability PEP Materials L1
REPN: 0185 01 3
SUJO: 3-950-000
TITL: EFFECT OF HIGH-AND LOW-INTENSITY RADIATION ON SOLID
COMPOSITE ROCKET
PROPELLANTS (U), 50 P., (U)

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16518

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copy: 1 id: 49453-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16520
ADNO: 309284

AUTH: CARLETON L.T. ; KISPERSKY J.P. ; KLOTZ M.A. ; VILTER
E.J.
CLSS: U
CONN: AF 33 (616) 5792
CORP: AEROJET-GENERAL CORP. (AZUSA, CA.)
DATE: 5906
DESC: Description No Vulnerability PEP Materials L1
REPN: 0185 01 4
SUJO: 3-950-000
TITL: EFFECT OF HIGH-AND LOW-INTENSITY RADIATION ON SOLID
COMPOSITE ROCKET
PROPELLANTS (U), 40 P., (U)

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16520

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copy: 1 id: 49455-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16521

ADNO: 312787

AUTH: CARLETON L.T. ; KISPERSKY J.P. ; KLOTZ M.A. ; VILTER
E.J. ;

SALTONSTALL C.W.

CLSS: U

CONN: AF 33 (616) 5792

CORP: AEROJET-GENERAL CORP. (AZUSA, CA.)

DATE: 5909

DESC: Description No Vulnerability PEP Materials L1

REPN: 0185 01 5

SUJO: 3-950-000

TITL: EFFECT OF HIGH-AND LOW-INTENSITY RADIATION ON SOLID
COMPOSITE ROCKET
PROPELLANTS (U), 40 P., (U)

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16521

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copy: 1 id: 49456-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16522

ADNO: 314121

AUTH: CARLETON L.T. ; KISPERSKY J.P. ; KLOTZ M.A. ;
SALTONSTALL C.W. ;
VILTER E.J.

CLSS: U

CONN: AF 33 (616) 5792

CORP: AEROJET-GENERAL CORP. (AZUSA, CA.)

DATE: 5912

DESC: Description No Vulnerability PEP Materials L1
REPN: 0185 01 6
SUJO: 3-950-000
TITL: EFFECT OF HIGH-AND LOW-INTENSITY RADIATION ON SOLID
COMPOSITE ROCKET
PROPELLANTS (U), 35 P., (U)

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16522
.endblock

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copy: 1 id: 49457-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16675
ADNO: 292487
AUTH: LUCIC A.
CLSS: U
CORP: AUTONETICS (ANAHEIM, CA.)
DATE: 6111
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1

MAGNETIC CORES MAGNETIC MATERIALS
DESC: EXPERIMENTAL SURVEY
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 INSULATORS

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 TA
CAPACITORS VACUUM

TUBES PHOTOTUBES GAS TUBE RESISTORS
DESC: Nuclear Weapon Effects missile systems strategic
electronics L1

MINUTEMAN ELECTRONICS
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1

EFFT: TREE
SUJO: 3-112-130 ; 3-220-200 ; 3-221-000 ; 3-225-000 ;
3-229-000
TITL: RADIATION EFFECTS ON COMPUTER CIRCUITRY (U), 50 P., (U)
TREE: 392 ; 341

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copy: 1 id: 49576-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16702

AUTH: JOHNSON E.R. ; HENLEY E.J. ; STAFFIN R.
 CLSS: U
 CCDE: ZZ(RADIATION BURST EFFECTS)
 CONN: DA 36 039 SC 89148
 CORP: STEVENS INSTITUTE OF TECHNOLOGY (HOBOKEN, N.J.)
 DATE: 6200
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 DESC: Nuclear Weapon Effects electronic pieceparts measuring
 devices
 sensors detectors L1 MAGNETIC MATERIALS
 DESC: Nuclear Weapon Effects materials metals alloys L1 AL
 2024-T3
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL SURVEY
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L5
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 ELECTRON
 TUBE
 EFFT: TREE
 SUJO: 3-221-000 ; 3-224-000 ; 3-229-000 ; 3-231-000 ;
 3-243-000
 TITL: LITERATURE STUDY OF RADIATION EFFECTS ON ELECTRON
 DEVICES (U), CA.
 100 P., (U)
 TREE: 310 ; 343
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 16702
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 copy: 1 id: 49603-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 16783
 ADNO: 264653L
 AUTH: DEGENHART H.J. ; SCHLOSSER W.
 CLSS: U
 CORP: ARMY SIGNAL RESEARCH AND DEVELOPMENT LAB. (FT. MONMOUTH,
 NJ)
 DATE: 6105
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 DESC: Simulation Facilities Techniques TREE L1 GODIVA
 DESC: EXPERIMENTAL
 REPN: ASRDL TR 2200
 SUJO: 3-229-000 ; 3-231-000 ; 4-272-000
 TITL: PULSED NUCLEAR RADIATION EFFECTS ON ELECTRONIC PARTS AND

MATERIALS

(U), 36 P., (U)
TREE: 390 ; 642 ; 380 ; 370
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16783
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copy: 1 id: 49663-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16785
AUTH: SCHLOSSER W. ; LASCARO C.P. ; KEY J.
CLSS: U
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB (FT.
MONMOUTH, NJ)
DATE: 6209
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
EFFT: TREE
REPN: AELRDL TR 2306
SUJO: 3-231-000
TITL: PULSED NUCLEAR RADIATION EFFECTS ON ELECTRONIC PARTS AND

MATERIALS

(U), 45 P., (U)
TREE: 390 ; 380 ; 343
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copy: 1 id: 49665-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16786
CLSS: U
CONN: AF 33 (616) 8341
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6206
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1 CABLES
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
SMALL COILS
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS FET-S
DIODES ZENER
DIODES
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 CERAMIC MICA

PAPER TA

VITAMIN Q CAPACITORS THYRATRON TRANSFORMERS

DESC: test instruments nuclear radiation dosimeters radiacs L1

DESC: SIMULATION (CO60 PULSED REACTOR FLASH X-RAY) ;

EXPERIMENTAL

EFFT: TREE

REPN: IBM 62 521 16

SUJO: 3-221-000 ; 3-225-000 ; 3-229-000 ; 3-231-000 ;

4-346-000

TITL: RADIATION EFFECTS STUDY OF DIGITAL COMPUTER CIRCUITS AND

COMPONENTS;

VOL. 1, (U), CA. 200 P., (U)

TREE: 390 ; 341 ; 310

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copy: 1 id: 49666-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 16795

AUTH: TRIMMER P.A.

CLSS: U

CORP: ARMY, DIAMOND ORDNANCE FUZE LABS. (WASH., D.C.)

DATE: 6208

DESC: Nuclear Weapon Effects electronic pieceparts transistors

diodes

silicon-controlled rectifiers L1 TRANSISTOR

DESC: Nuclear Weapon Effects electronic subsystems analysis

circuit

network L1 POWER CONVERTER

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: DOFL TR 1065

SUJO: 3-219-000 ; 3-221-000

TITL: RADIATION EFFECTS ON TRANSISTORIZED POWER CONVERTERS

(U), 25 P., (U)

TREE: 389

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copy: 1 id: 49675-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 16796

AUTH: BOUCHARD G.H.

CLSS: U

CORP: SANDIA CORP.

DATE: 6206
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1 X-RAY DOSE
+ SPECTRUM
DESC: Nuclear Weapon Effects materials carbon L1
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 GE
DESC: Nuclear Weapon Effects materials metals alloys L1 CU AL
PB SN W CD
AS FILTERS ON FLASH X-RAY
EFFT: X-RAY
REPN: SCR 524
SUJO: 3-220-200 ; 3-243-000 ; 3-248-000 ; 4-341-000
TITL: MEASUREMENT OF BREMSSTRAHLUNG DOSE AND SPECTRUM FROM A
600KVP PULSED
X-RAY GENERATOR USING PHOTOGRAPHIC FILM (U), 20 P., (U)
TREE: 642
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16796
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copy: 1 id: 49676-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16797
AUTH: GERSTEIN B. ; SCHLUETER A. ; FUEYO A.
CLSS: U
CONN: DA 36 039 SC 85322
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6206
DESC: SIMULATION (LINAC CYCLOTRON PULSED REACTOR) ;
EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 QUARTZ
CRYSTAL UNIT
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 QUARTZ CRYSTALS
EFFT: NEUTRON ; GAMMA ; BETA
SUJO: 3-220-200 ; 3-229-000
TITL: EFFECTS OF NUCLEAR RADIATION ON QUARTZ CRYSTAL UNITS
(PR+C
61-3LP/D-4206); THIRD QUARTERLY PROGRESS REPORT 23
FEBRUARY THROUGH
22 MAY 1962 (U), CA. 200 P., (U)
TREE: 367
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copy: 1 id: 49677-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16799
AUTH: VAN LINT V.A.J.
CLSS: U
CORP: GENERAL DYNAMICS CORP., GENERAL ATOMIC DIV. (SAN DIEGO,
CA.)
DATE: 6204
DESC: SUMMARY SURVEY
DESC: Nuclear Weapon Effects electronic pieceparts L5
EFFT: TREE
REPN: CP 62 1078
SUJO: 3-220-000
TITL: MECHANISMS OF TRANSIENT RADIATION EFFECTS IN ELECTRONIC
PARTS (U), 5
P., (U)
TREE: 200

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16815
AUTH: STERN H.A. ; FREE J.J. ; LILLER P.R. ; TURNBULL J.C.
CLSS: U
CONN: DA 36 039 SC 89121
CORP: RCA, ELECTRON TUBE DIV. (LANCASTER, PA.)
DATE: 6200
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 ELECTRON

TUBES

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects materials ceramics optical L5

DEGASSING OF

CERAMIC MATERIALS

EFFT: TREE

SUJO: 3-229-000 ; 3-241-000

TITL: RADIATION-INDUCED GAS EFFECTS ON ELECTRON TUBE
MATERIALS; FINAL
PROGRESS REPORT (U), 90 P., (U)

TREE: 305

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16815

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copy: 1 id: 49688-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16816
AUTH: CALME E.E. ; PATTERSON W.J.
CLSS: U
CONN: DA 36 039 SC 90735
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT.
MONMOUTH, N.J.)
DATE: 6200
DESC: Cross Sections gamma L1 O2 AL SI TI NI MO W
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors vacuum tubes dielectrics relays switches L1 ELECTRON

TUBE
DESC: THEORY SURVEY
SUJO: 3-229-000 ; 9-830-000
TITL: BASIC RADIATION EFFECTS MECHANISM STUDY ON ELECTRON
TUBES; REPORT
NO. 1 (U), 50 P., (U)
TREE: 305

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copy: 1 id: 49689-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16817
AUTH: SAUR A.J. ; ZACK J.F. JR. ; ANDERMAN A.I.
CLSS: U
CONN: MIPR R 62 16 SC 00 93
CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)
DATE: 6112
DESC: THEORY
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability L1 ORGANIC INSULATORS

EFFT: TREE
REPN: AI 7506
SUJO: 4-170-000
TITL: TRANSIENT RADIATION EFFECTS IN ELECTRONIC MATERIALS (U),
30 P., (U)
TREE: 385

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 16818
AUTH: VIDRINE J.L.
CLSS: U
CONN: DA 36 039 SC 87306
CORP: EG+G, INC. (BOSTON, MA.)
DATE: 6207
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1 GODIVA II DOSE RATE CURVES TRIGA + KEWB POWER
CURVES
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
REPN: EGG B 2462
SUJO: 3-221-000 ; 4-241-000
TITL: ANALYSIS OF EXPERIMENTAL RADIATION EFFECTS DATA (U), 95
P., (U)
TREE: 310 ; 642

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copy: 1 id: 49691-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 16819
AUTH: HARRISON G.R. ; SCHEIWE J.P.
CLSS: U
CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)
DATE: 6208
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems L1 MICROWAVE FERRITE DUPLEXERS
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1 DUPLEXERS CABLES
DESC: SURVEY
EFFT: TREE
REPN: SJ 220 0041 1
SUJO: 3-132-220 ; 4-170-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE
DUPLEXERS;
FIRST QUARTERLY REPORT (U), CA. 50 P., (U)
TREE: 395

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16819

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 created: 12/27/1991 type: REPORT permanent
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INUM: 16820
CLSS: U
CONN: DA 36 039 SC 85395
CORP: INTERNATIONAL BUSINESS MACHINES CORP. (OWEGO, N.Y.)
DATE: 6200
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1

FERRITE + TAPE WOUND CORES MAGNETIC TAPE
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: IBM 62 521 14
SUJO: 3-225-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR
RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 35 P., (U)
TREE: 343

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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16878
AUTH: BELL J.E. ; HELMS R.L. ; PIZAREK R.H. ; WALKER K.R.
CLSS: U
CONN: AF 29 (601) 4743
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6112
DESC: THEORY
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1 MULTIVIBRATOR WEIN BRIDGE OSCILLATOR
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
AMPLIFIERS

EFFT: TREE
SUJO: 3-213-000 ; 3-219-000
TITL: THEORETICAL STUDY OF BURST-INDUCED TRANSIENT RADIATION
EFFECTS IN
BASIC ELECTRONIC CIRCUITS (U), 41 P., (U)
TREE: 369

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copy: 1 id: 49733-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16880
AUTH: SAUR A.J. ; ANDERMAN A.I. ; ZACK J.F. JR.
CLSS: U
CONN: MIPR R 62 16 SC 00 93
CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)
DATE: 6200
DESC: EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1
EFFT: TREE
REPN: AI 7640
SUJO: 4-170-000
TITL: TRANSIENT RADIATION EFFECTS IN ELECTRONIC MATERIALS
REPORT NO. 2,
SECOND QUARTERLY REPORT (1 MAY 1962 TO 31 JULY 1962)
(U), 15 P., (U)
TREE: 310 ; 642

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16881
AUTH: STANLEY J.M.
CLSS: U
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT.
MONMOUTH, N.J.)
DATE: 6211
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems L1 QUARTZ CRYSTAL UNITS CR-18/U
CR-52/U CR-56/U

CR-27/U CR-54/U CR-19/U
DESC: SIMULATION (PULSED REACTOR LINAC) ; EXPERIMENTAL
EFFT: TREE
REPN: AELRDL TR 2320
TSHO: UG-CONTAINED
SUJO: 3-132-220
TITL: EFFECTS OF PULSE NUCLEAR RADIATION ON QUARTZ CRYSTAL
UNITS (U), 25
P., (U)
TREE: 367

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16882
AUTH: PERKINS C.W.
CLSS: U
CONN: DA 36 039 SC 90703
CORP: HUGHES AIRCRAFT CO., NUCLEONICS DIV. (FULLERTON, CA.)
DATE: 6200
DESC: SIMULATION (LINAC PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
SUJO: 3-221-000
TITL: DETERMINATION OF TRANSISTOR FIGURE-OF-MERIT FOR
RADIATION EFFECTS
(U), 40 P., (U)
TREE: 310

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copy: 1 id: 49737-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16883
AUTH: BURNS G.B. ; COLWELL J.E. ; COMPTON D.M.J. ; DENSON R.
; GUERENA H.
; KIRKBRIDE J. ; NICHOLS D.K. ; PEREUE J.H. ; VAN LINT
V.A.J. ;
WIKNER E.G.
CLSS: U
CONN: DA 49 186 502 3RD 939
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6205
DESC: Nuclear Weapon Effects materials metals alloys L1 CU AL
TE
DESC: SIMULATION (LINAC) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins L1
POLYETHYLENE
FILM
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 GE SI MG O (80 DEGREES K AND 300 DEGREES
K)
EFFT: TREE
REPN: GACD 3178

SUJO: 3-220-200 ; 3-243-000 ; 3-244-000
TITL: TRANSIENT RADIATION EFFECTS, TECHNICAL SUMMARY REPORT,
COVERING THE PERIOD APRIL 15, 1962 THROUGH APRIL 14, 1962 (U), CA.
150 P., (U)

TREE: 200
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16884
AUTH: GERSTEIN B. ; SCHLUETER A. ; FUEYO A.
CLSS: U
CONN: DA 36 039 SC 85322
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6203
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems L1 QUARTZ CRYSTAL UNITS CR-18/U
CR(XM-17) CR-19/U
CR-52/U CR-54/U CR-47/U

DESC: SIMULATION (LINAC CYCLOTRON) ; EXPERIMENTAL
EFFT: TREE
SUJO: 3-132-220
TITL: EFFECTS OF NUCLEAR RADIATION ON QUARTZ CRYSTAL UNITS
(PR+C
61-ELP/D-4206) (U), CA. 200 P., (U)

TREE: 367
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16885
AUTH: OROURKE R.C. ; STEFFY W.A. ; WYMAN J. ; VACCA S.
CLSS: U
CONN: DA 36 039 SC 87306
CORP: EG+G, INC. (BOSTON, MA.)
DATE: 6203
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1 GODIVA II DOSE RATE
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
SUJO: 3-221-000 ; 4-241-000
TITL: ANALYSIS OF EXPERIMENTAL RADIATION EFFECTS DATA (U), 65
P., (U)
TREE: 310
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16885
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copy: 1 id: 49740-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16886
AUTH: STERN H.A. ; FREE J.J.
CLSS: U
CONN: DA 36 039 SC 89121
CORP: RCA, ELECTRON TUBE DIV. (LANCASTER, PA.)
DATE: 6100
DESC: EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1
EFFT: TREE
SUJO: 4-170-000
TITL: RADIATION-INDUCED GAS EFFECTS ON ELECTRON TUBE
MATERIALS; SECOND
QUARTERLY PROGRESS REPORT 1 OCTOBER 1961 TO 31 DECEMBER
1961 (U), 25

P., (U)

TREE: 305

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copy: 1 id: 49741-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16916
AUTH: PLANKIS E.P.
CLSS: U
CONN: DA 36 039 SC 87253
CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY,
N.Y.)
DATE: 6100
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems L1 VTM Z-5312 Z5428 Z5337 MAGNETRON
A4J52A
DESC: Nuclear Weapon Effects electronic pieceparts resistors

capacitors

vacuum tubes dielectrics relays switches L1 VACUUM TUBE
DESC: SIMULATION (PULSED REACTOR ACCELERATOR) ; EXPERIMENTAL
SUJO: 3-132-220 ; 3-229-000
TITL: RADIATION EFFECTS ON MICROWAVE DEVICES; REPORT NO. 2,
SECOND
QUARTERLY PROGRESS REPORT (U), CA. 50 P., (U)
TREE: 305
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16916
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copy: 1 id: 49760-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16917
AUTH: DONOVAN A. ; FUEYO A. ; SCHLUETER A.
CLSS: U
CONN: DA 36 039 SC 85322
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6109
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems L1 Q CRYSTAL UNITS CR-18/U
CR-(XM-17)/U CR-19/U
CR-52/U CR-54/U CR-50/U CR-47/U
DESC: SIMULATION LINAC ; EXPERIMENTAL
EFFT: NEUTRON
SUJO: 3-132-220
TITL: EFFECTS OF NUCLEAR RADIATION ON QUARTZ CRYSTAL UNITS;
REPORT NO. 1,
INTERIM FINAL REPORT (U), CA. 200 P., (U)
TREE: 367

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copy: 1 id: 49761-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16920
CLSS: U
CONN: DA 36 039 SC 85395
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6109
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1 GLASS-DIELECTRIC CAPACITORS
EFFT: TREE
SUJO: 4-170-000

TITLE: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR
RADIATION ON ELECTRONIC PARTS AND MATERIALS; REPORT NO. 5 (U), 15 P.,
(U)

TREE: 370

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16920

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copy: 1 id: 49763-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 16921

CLSS: U

CONN: DA 36 039 SC 85395

CORP: IBM CORP. (OWEGO, N.Y.)

DATE: 6100

DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1

FERRITE MEMORY CORES FERRITE + PERMALLOY SWITCH CORES

TAPE WOUND

CORES

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: IBM 61 928 26

SUJO: 3-225-000

TITLE: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR
RADIATION ON

ELECTRONIC PARTS AND MATERIALS (SCORRE); REPORT NO. 4

(U), 45 P. (U)

TREE: 343

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16921

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copy: 1 id: 49764-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16922

AUTH: OROURKE R.C.

CLSS: U

CONN: DA 36 039 SC 87306

CORP: EG+G, INC. (BOSTON, MA.)

DATE: 6201

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L5

DESC: THEORY

EFFT: TREE

REPN: EGG B 2347

SUJO: 3-221-000
TITL: ANALYSIS OF EXPERIMENTAL RADIATION EFFECTS DATA; REPORT
NO. 2 (U), 10 P., (U)

TREE: 310
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16922
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created: 12/27/1991 type: REPORT permanent
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INUM: 16923
AUTH: KEISTER G.L.
CLSS: U
CONN: AF 33 (616) 7804
CORP: BOEING CO. (SEATTLE, WASH.)
DATE: 6100
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1 FLIP-FLOP CIRCUITS CATHODE FOLLOWER
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1

AMPLIFIERS
DESC: SIMULATION (PULSED REACTOR FLASH X-RAY) ; EXPERIMENTAL
EFFT: TREE
REPN: D2 90044
SUJO: 3-213-000 ; 3-219-000
TITL: ANALOG COMPUTER PREDICTION OF TRANSIENT NUCLEAR
RADIATION EFFECTS
(U), 35 P., (U)

TREE: 369
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16923
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created: 12/27/1991 type: REPORT permanent
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INUM: 16925
AUTH: GERSTEIN B. ; SCHLEUTER A. ; FUEYO A.
CLSS: U
CONN: DA 36 039 SC 85322
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6112
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems L1 QUARTZ CRYSTALS
DESC: SIMULATION (LINAC CYCLOTRON) ; EXPERIMENTAL
EFFT: TREE

SUJO: 3-132-220
 TITL: EFFECTS OF NUCLEAR RADIATION ON QUARTZ CRYSTAL UNITS
 (PR+C 61-ELP/D-4206) (U), CA. 50 P., (U)
 TREE: 367
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 16925
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 16926
 CLSS: U
 CONN: DA 36 039 SC 85395
 CORP: IBM CORP. (OWEGO, N.Y.)
 DATE: 6100
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 GLASS
 CAPACITORS
 DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
 EFFT: TREE
 REPN: IBM 62 521 3
 SUJO: 3-229-000
 TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR
 RADIATION ON
 ELECTRONIC PARTS AND MATERIALS; REPORT NO. 6 (U), 40 P.,
 (U)
 TREE: 370
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 copy: 1 id: 49769-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 16927
 CLSS: U
 CONN: AF 33(616) 7804
 CORP: BOEING CO. (SEATTLE, WASH.)
 DATE: 6201
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 TRANSISTORS POWER
 DIODES
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit network L1 MULTIVIBRATOR CATHODE FOLLOWER
 DESC: Nuclear Weapon Effects electronic subsystems recorders

amplifiers L1
 AMPLIFIERS
 DESC: Simulation Facilities Techniques TREE L1 KUKLA GODIVA
 DESC: SIMULATION (PULSED REACTOR FLASH X-RAY) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 RESISTORS
 TANTALUM
 VITAMIN Q SILVER MICA CAPACITORS
 EFFT: TREE
 REPN: D2 9878
 SUJO: 3-213-000 ; 3-219-000 ; 3-221-000 ; 3-229-000 ;
 4-272-000
 TITL: PREDICTION OF TRANSIENT NUCLEAR RADIATION EFFECTS IN
 ELECTRONIC CIRCUITS (U), 90 P., (U)
 TREE: 310 ; 370
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 16927
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 copy: 1 id: 49770-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 16928
 AUTH: PLANKIS E.P.
 CLSS: U
 CONN: DA 36 039 SC 87253
 CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY,
 N.Y.)
 DATE: 6200
 DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1 CABLE
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware radio
 microwave systems L1 VOLTAGE TUNABLE MAGNETRON
 EFFT: TREE
 SUJO: 3-132-220 ; 3-231-000
 TITL: RADIATION EFFECTS ON MICROWAVE DEVICES; REPORT NO. 3
 (U), 85 P., (U)
 TREE: 395
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 copy: 1 id: 49771-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 16929

AUTH: KOSENKRANIUS L.
 CLSS: U
 CORP: BOEING CO. (SEATTLE, WASH.)
 DATE: 6200
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 RESISTORS
 CAPACITORS
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 TRANSISTORS
 DESC: COMPUTER SIMULATION ; THEORY
 EFFT: TREE
 REPN: AIEE CP 62 1082
 SUJO: 3-221-000 ; 3-229-000
 TITL: ANALOG COMPUTER TECHNIQUES FOR THE PREDICTION OF
 TRANSIENT NUCLEAR RADIATION EFFECTS ON TRANSISTOR CIRCUITS (U), 20 P., (U)
 TREE: 310 ; 370
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 16929
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 copy: 1 id: 49772-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 16930
 AUTH: TRIMMER P.A.
 CLSS: U
 CORP: DIAMOND ORDNANCE FUZE LABS. (WASH., D.C.)
 DATE: 6200
 DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit network L1 POWER CONVERTER
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 TRANSISTORS
 EFFT: TREE
 REPN: AIEE CP 62 1192
 SUJO: 3-219-000 ; 3-221-000
 TITL: RADIATION EFFECTS ON TRANSISTORIZED POWER CONVERTERS
 (U), 12 P., (U)
 TREE: 389
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 16930
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 copy: 1 id: 49773-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 16931
 AUTH: CALDWELL R.S. ; GAGE D.S. ; HANSON G.H.
 CLSS: U
 CORP: BOEING CO. (SEATTLE, WASH.) ; NORTHWESTERN UNIV.
 (EVANSTON, IL.) ;
 UNIV. OF WASH. (SEATTLE, WASH.)
 DATE: 6200
 DESC: SIMULATION (FLASH X-RAY PULSED REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1
 EFFT: TREE
 REPN: AIEE 62 1081
 SUJO: 3-221-000
 TITL: TRANSIENT BEHAVIOR OF TRANSISTORS DUE TO IONIZING
 RADIATION PULSES
 (U), 20 P., (U)
 TREE: 310
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 copy: 1 id: 49774-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 16962
 AUTH: TURNBULL J.C. ; STERN H.A. ; LILLER P.R.
 CLSS: U
 CONN: DA 36 039 SC 89121
 CORP: RCA, ELECTRON TUBE DIV. (LANCASTER, PA.)
 DATE: 6100
 DESC: Nuclear Weapon Effects materials plastics resins L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 ELECTRON
 TUBES
 DESC: GAS EVOLUTION ; SURVEY
 EFFT: TREE
 SUJO: 3-229-000 ; 3-244-000
 TITL: RADIATION-INDUCED GAS EFFECTS ON ELECTRON TUBE
 MATERIALS; FIRST
 QUARTERLY PROGRESS REPORT 1 JULY 1961 TO 30 SEPTEMBER
 1961 (U), 50
 P., (U)
 TREE: 305
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 16962
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 copy: 1 id: 49801-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent

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INUM: 16964
AUTH: VAN LINT V.A.J.
CLSS: U
CONN: DA 49 186 ORD 939
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6201
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L5
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L5
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L5
DESC: SUMMARY
EFFT: TREE
REPN: GA 2886
SUJO: 3-221-000 ; 3-229-000 ; 3-231-000
TITL: MECHANISMS OF TRANSIENT RADIATION EFFECTS, STATE OF THE
ART, (U), 12
P., (U)
TREE: 200

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16965
AUTH: PUTTCAMP R.
CLSS: U
CORP: ARMY, DIAMOND ORDNANCE FUZE LABS. (WASH., D.C.)
DATE: 6111
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
REPN: DOFL TR 975
SUJO: 3-221-000
TITL: NUCLEAR RADIATION DAMAGE TO TRANSISTORS; VOL. 1,
PERMANENT DAMAGE,
PART 1, DATA (U), 160 P., (U)
TREE: 310

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16965

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copy: 1 id: 49804-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16966
AUTH: PLANKIS E.P. ; MAGNUSON R.A.
CLSS: U
CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY,
N.Y.)
DATE: 6200
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
SUJO: 4-170-000
TITL: RADIATION EFFECTS ON MICROWAVE DEVICES, REPORT NO. 5,
FIFTH
QUARTERLY PROGRESS REPORT 1 JULY 1962 THROUGH 30
SEPTEMBER 1962 (U),
20 P., (U)
TREE: 642

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16966

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copy: 1 id: 49805-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16967
AUTH: PLANKIS E.P. ; MAGNUSON R.A.
CLSS: U
CONN: DA 36 039 SC 87253
CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY,
N.Y.)
DATE: 6200
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
DESC: SURVEY
EFFT: TREE
SUJO: 4-170-000
TITL: RADIATION EFFECTS ON MICROWAVE DEVICES, REPORT NO. 6,
SIXTH
QUARTERLY PROGRESS REPORT 1 OCTOBER 1962 THROUGH 31
DECEMBER 1962
(U), 40 P., (U)
TREE: 305

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copy: 1 id: 49806-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 16968
AUTH: WINSLOW J.W. ; HART R.R.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6209
DESC: SIMULATION (VAN DE GRAAFF)
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1 BI 2 TE 3
REPN: NRDL TR 581
SUJO: 3-220-200
TITL: RADIATION EFFECTS IN THERMOELECTRICS 1. TECHNIQUES FOR
DETECTION OF
TRANSIENT EFFECTS AND THEIR APPLICATION TO COMMERCIAL
GRADE BISMUTH

TELLURIDE (U), 80 P., (U)
TREE: 200

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copy: 1 id: 49807-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16999
AUTH: SCHMIDT F.J.
CLSS: U
CONN: AF 33 (616) 8096
CORP: GENERAL ELECTRIC (OWENSBORO, KY.)
DATE: 6212
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 DIODES TRIODES PEUTODES
DESC: SIMULATION (REACTOR) 580 DEGREES C ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

TIMM CIRCUITS
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 CAPACITORS
RESISTORS

DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1
EFFT: TREE ; GROUND-SHOCK
REPN: ASD TDR 62 1039
SUJO: 3-220-200 ; 3-221-000 ; 3-222-000 ; 3-229-000
TITL: RESEARCH AND INVESTIGATION ON RADIATION RESISTANT HIGH
TEMPERATURE

THERMIONIC CIRCUITRY (U), 82 P., (U)
 TREE: 310 ; 420
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 16999
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 17001
 AUTH: PLANKIS E.P.
 CLSS: U
 CONN: DA 36 039 SC 87253
 CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY,
 N.Y.)
 DATE: 6200
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L5 CABLES
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware radio
 microwave systems L1 Z-5312 Z-5337 Z-5428 VOLTAGE
 TUNABLE MAGNETRONS
 EFFT: TREE
 SUJO: 3-132-220 ; 3-231-000
 TITL: RADIATION EFFECTS ON MICROWAVE DEVICES; REPORT NO. 4,
 FOURTH
 QUARTERLY PROGRESS REPORT (U), 62 P., (U)
 TREE: 395
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17009
 AUTH: HARRISON G.R. ; SCHEIWE J.P.
 CLSS: U
 CONN: DA 36 039 SC 89113
 CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)
 DATE: 6211
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware radio
 microwave systems L1
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1 CABLES
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 EFFT: TREE
 REPN: SJ 222 0041 2

SUJO: 3-132-220 ; 3-231-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE
DUPLXERS;
REPORT NO. 2, SECOND QUARTERLY REPORT, 1 AUGUST 1962 TO
31 OCTOBER
1962 (U), CA. 100 P., (U)
TREE: 390 ; 395
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17009
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copy: 1 id: 49838-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17022
ADNO: 255920
AUTH: ANTHONY A.E. JR.
CLSS: U
CCDE: RAND
CORP: AIR FORCE SPECIAL WEAPONS CENTER (KIRTLAND AFB, N.M.)
DATE: 6101
DESC: Radiation Transport neutron L1
DESC: TABULAR
REPN: AFSWC TN 61 2
SUJO: 9-650-000
TITL: TRANSPORT OF NEUTRONS THROUGH THE ATMOSPHERE FOR A BURST
HEIGHT OF
50,000 FEET (U), 35 P., (U)
TREE: 970
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17022
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17023
ADNO: 299192L
AUTH: GEORGE M.S. ; MALCOLM L. ; CHAMPION G.P.
CLSS: U
CCDE: SPARC ; ZZ (TRANSIENT CIRCUIT CHARACTERISTICS)
CONN: DA 36 039 SC 90738
CORP: NORTHROP CORP., VENTURA DIV. (VAN NUYS, CA)
DATE: 6200
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network L1
DESC: Nuclear Weapon Effects ordnance bombs mines warheads
nuclear L1
DESC: Nuclear Warfare Theater C3I L1

EFFT: NEUTRON ; TREE
REPN: NVO 2640 2
SUJO: 3-161-100 ; 3-219-000 ; 3-412-200
TITL: EQUIPMENT DESIGN PRACTICES AND TECHNIQUES FOR THE
NUCLEAR RADIATION
ENVIRONMENT, REPORT NO. 2, (U), 75 P., (U)

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17023

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17099-043

AUTH: RAINEY S.C.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6200

DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1

TSHO: WATER-SURFACE ; UW

SUJO: 2-225-100

SYMJ: WEAPONS AND WEAPONS EFFECTS; THE SIXTH NAVY SCIENCE
SYMPOSIUM; VOL.

3

TITL: FALLOUT FROM NUCLEAR EXPLOSIONS ON THE WATER SURFACES
(U), 31 P.,
(SRD)

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17099-043

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copy: 1 id: 49916-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17386

AUTH: HANKINS D.E. ; KING W.C.

CLSS: U

CONN: AT (10 1) 205

CORP: ATOMIC ENERGY COMMISSION

DATE: 6012

DESC: THEORY

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

EFFT: BETA

REPN: IDO 16632

SUJO: 3-312-220

TITL: METHOD OF CALCULATING LUNG DOSE RECEIVED FROM A CONFINED
CLOUD OF

RADIOACTIVE GAS (U), 27 P., (U)

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17386

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copy: 1 id: 50140-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17400

AUTH: WATSON B.B.

CLSS: U

CORP: JOHNS HOPKINS UNIVERSITY, OPERATIONS RESEARCH OFFICE
(BETHESDA, MD.)

DATE: 6004

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1

REPN: ORO SP 127

SUJO: 3-312-200

TITL: SYMPOSIUM ON THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59 (U), 80 P., (U)

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17400

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copy: 1 id: 50152-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17400-03

AUTH: SACHER G.A.

CLSS: U

CORP: ARGONNE NATIONAL LAB. (LEMONT, IL.)

DATE: 6004

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1

DESC: SUMMARY

SUJO: 3-312-200

SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59

TITL: PROBLEMS IN THE EXTRAPOLATION OF LONG-TERM EFFECTS FROM
ANIMALS TO
MAN (U), 8 P., (U)

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copy: 1 id: 50153-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17400-11
AUTH: BERLIN N.I.
CLSS: U
CORP: NATIONAL INSTITUTES OF HEALTH, NATIONAL CANCER INSTITUTE
(BETHESDA, MD.)
DATE: 6004
DESC: THEORY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1
SUJO: 3-312-200
SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59
TITL: EFFECT OF CHRONIC IONIZING RADIATION ON THE LIFE SPAN OF
MAN (U), 6
P., (U)

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17400-11

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copy: 1 id: 50154-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17400-19
AUTH: BOONE I.U.
CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, N.M.)
DATE: 6004
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external L1
SUJO: 3-312-210
SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59
TITL: INCIDENCE OF TUMORS IN ANIMALS EXPOSED TO WHOLE-BODY
RADIATION (U),
19 P., (U)

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17400-19

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copy: 1 id: 50155-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17400-39

AUTH: HEMPELMANN L.H.
CLSS: U
CORP: UNIVERSITY OF ROCHESTER, STRONG MEMORIAL HOSPITAL
(ROCHESTER, N.Y.)
DATE: 6004
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1
SUJO: 3-312-210
SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59

TITL: MALIGNANT DISEASE IN POPULATION GROUPS EXPOSED TO
IONIZING RADIATION
(U), 11 P., (U)

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17400-39

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copy: 1 id: 50156-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17400-51
AUTH: BROWN D.V.L.
CLSS: U
CORP: UNIVERSITY OF ILLINOIS (CHICAGO, IL.)
DATE: 6004
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1
DESC: EXPERIMENTAL
SUJO: 3-312-210
SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59

TITL: RADIATION CATARACTS IN ANIMALS (U), 8 P., (U)

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17400-51

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copy: 1 id: 50157-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17400-59
AUTH: COGAN D.G.
CLSS: U
CORP: HARVARD UNIVERSITY MEDICAL SCHOOL
DATE: 6004
DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1

SUJO: 3-312-210

SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59

TITL: RADIATION CATARACTS IN MAN (U), 12 P., (U)

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17400-59

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copy: 1 id: 50158-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17400-73

AUTH: GRAHN D.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION

DATE: 6004

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1

DESC: EXPERIMENTAL

SUJO: 3-312-210

SYMJ: SYMPOSIUM OF THE DELAYED EFFECTS OF WHOLE-BODY
RADIATION, 29 OCTOBER
59

TITL: GENETIC ALTERATIONS IN ANIMALS AND MAN (U), 7 P., (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17401

ADNO: 232225

AUTH: KSANDA C.F. ; LAUMETS E.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 5909

DESC: Radiation Transport gamma L5

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1

REPN: NRDL TR 361

SUJO: 2-223-200 ; 9-620-000

TITL: COMPUTATION OF EARLY-TIME FISSION PRODUCT DOSE-RATE
SPECTRA AND
GAMMA-RAY AIR ATTENUATION (U), 34 P., (U)

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17401
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copy: 1 id: 50160-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17588
AUTH: NEALL W.G.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6005
DESC: Environmental Impact Assessments EIS Supporting Data L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic external L5
DESC: Nuclear Weapon Test safety L1
DESC: SIMULATION (HE) ; EXPERIMENTAL
REPN: NRDL TR 423
SHOT: HYDRA 1
TSHO: UW
SUJO: 3-312-210 ; 4-856-000 ; 4-870-200
TITL: RADIOLOGICAL SAFETY REPORT, HYDRA I AT DAVID TAYLOR
MODEL BASIN,
WASHINGTON, D.C. (U), 32 P., (U)

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17588
.endblock
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copy: 1 id: 50371-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17650
ABS: Aircraft flying in the stratosphere encounter some
buildup of radioactive contamination on their surfaces because of
the reservoir of nuclear debris placed in the stratosphere by the
detonation of atomic and thermonuclear weapons. Guidelines, based on
the recommendations of the national committee on radiation
protection, are presented for use in evaluating the radiation
exposure to personnel resulting from this buildup. Experimental
studies show that the hazard to persons who work on aircraft
contaminated with mixed fission products can be adequately defined by a

simple
being
from
100 or more
beta-gamma survey of the immediate area where work is
performed. The contribution to the total radiation dose
inhalation of resuspended debris or ingestion from hand
contamination is unimportant, ranging from factors of
below that contributed by the external dose.

ABS: The levels of radiation now present on aircraft are such
that it is highly improbable that anyone would ever receive
exposure in excess
of permissible limits; control of personnel for
radiological health
reasons and decontamination of aircraft are, therefore,
unnecessary.

AUTH: DICK J.L. ; GASKE M.C. ; KILEY L.A.JR.
CLSS: U
CORP: AIR FORCE SPECIAL WEAPONS CENTER (KIRTLAND AFB, N.M.)
DATE: 5904
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1
EFFT: GAMMA ; BETA
REPN: AFSWC TN 59 29
SUJO: 3-312-200
TITL: EVALUATION OF PERSONNEL EXPOSURE FROM STRATOSPHERIC
FISSION FRAGMENT
CONTAMINATION ON AIRCRAFT (U), 30 P., (U)

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17650
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copy: 1 id: 50432-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17670
ADNO: 373283
AUTH: PETERSON R.H. ; WILLIAMS J.A.
CLSS: SRD
CORP: ARMY BALLISTIC RESEARCH LABS. (ABERDEEN PROVING GROUND,
MD.)
DATE: 6102
DESC: TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
DESC: Nuclear Weapon Effects land transport armored vehicles
L1
DESC: Cross Sections gamma L1
REPN: BRL MR 1319
SUJO: 3-151-000 ; 3-312-100 ; 9-830-000

TEMP: A5425
TITL: DEPENDENCE OF TANK CREW SURVIVAL PROBABILITY UNDER
NUCLEAR ATTACK ON
VEHICLE DOSE ATTENUATION (U), 65 P., (SRD)

TREE: 411

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17670

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copy: 1 id: 50493-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17676

AUTH: JOHNSON C.F. ; UZZELL B.R.

CLSS: SRD

CONN: DA 23 072 ORD 1534

CORP: GENERAL DYNAMICS (FT. WORTH, TX.)

DATE: 6203

DESC: Nuclear Weapon Environment Prompt Neutron angular
distribution L5 P
46

DESC: Cross Sections neutron L1 STEEL LEAD POLYETHYLENE SLABS

DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1

DESC: EXPERIMENTAL TABULAR

DESC: Nuclear Weapon Effects land transport armored vehicles
L1

REPN: FZK 138

SUJO: 1-130-000 ; 3-151-000 ; 3-312-100 ; 9-820-000

TEMP: A5437

TITL: SUMMARY OF RADIOLOGICALLY PROTECTED POD CONSTRUCTION AND
TEST

PREPARATION--FINAL REPORT (U), 70 P., (SRD)

TREE: 412

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17676

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copy: 1 id: 50499-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17678

CLSS: SRD

CONN: DA 23 072 ORD 1407

CORP: GENERAL DYNAMICS (FT. WORTH, TX.)

DATE: 6112

DESC: Cross Sections neutron L1

DESC: Cross Sections gamma L1

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L1
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum L1
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 EARTH ACTIVATION
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects land transport armored vehicles
 L1
 REPN: FZK 134 1
 SHOT: OWENS
 TSHO: LOW-ALT
 SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 2-223-200 ;
 3-151-000 ;
 9-820-000 ; 9-830-000
 TEMP: A5440
 TITL: RADIATION RESISTANT COMBAT VEHICLE INVESTIGATION-FINAL
 REPORT; VOL.
 1, NUCLEAR DESIGN STUDIES (U), 274 P., (SRD)
 TREE: 910 ; 920
 .block
 17678
 .endblock
 .block
 copy: 1 id: 50501-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 17682
 AUTH: WELLS M.B.
 CLSS: SRD
 CONN: DA 23 072 ORD 1407
 CORP: GENERAL DYNAMICS (FT. WORTH, TX.)
 DATE: 6112
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1
 DESC: Nuclear Weapon Environment Prompt Neutron angular
 distribution L1
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 WITHIN SECONDS AFTER DETONATION
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum L1
 DESC: THEORY EXPERIMENTAL TABULAR
 DESC: Nuclear Weapon Environment Initial Gamma angular
 distribution L1
 DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
 L1
 DESC: Nuclear Weapon Environment Initial Gamma source strength

total
intensity L1
REPN: FZK 134 2
SHOT: PRISCILLA ; HOOD ; WASP ; OWENS
TSHO: SURFACE ; LOW-ALT
SOCE:
SUJO: 1-110-000 ; 1-120-000 ; 1-130-000 ; 1-710-000 ;
1-720-000 ; 1-730-000 ; 2-223-200
TEMP: A5450
TITL: RADIATION RESISTANT COMBAT VEHICLE INVESTIGATION-FINAL
REPORT; VOL.
2, TRANSPORT OF INITIAL RADIATION FROM NUCLEAR WEAPONS
(U), 158 P.,
(SRD)
TREE: 910 ; 920
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17682
.endblock
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copy: 1 id: 50504-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17684
CLSS: C
CORP: GENERAL SERVICES ADMINISTRATION, FEDERAL SUPPLY SERVICE
(WASH.,
D.C.)
DATE: 6105
DESC: Description No Vulnerability Command Control
Communications C3 L1
DESC: TABULAR
REPN: FED.STD. 222
SUJO: 3-910-000
TEMP: 59219
TITL: RADIATION STANDARD FOR COMMUNICATIONS AND OTHER
INFORMATION-PROCESSING EQUIPMENT (U), 185 P., (C)
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17684
.endblock
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copy: 1 id: 50506-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17692
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6108
DESC: SIMULATION (HE) ; SUMMARY
DESC: Nuclear Weapon Test safety L1

DESC: Environmental Impact Assessments EIS Supporting Data L5
REPN: NRDL FO 31A
SHOT: HYDRA 2A
TSHO: UW
SUJO: 4-856-000 ; 4-870-200
TITL: RADIOLOGICAL SAFETY; ANNEX E (U), CA. 50 P., (U)

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17692

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copy: 1 id: 50512-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17752
AUTH: SULIT R.A. ; COLE R. ; NEWCOMBE C.L.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 5904
DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L5

DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5

DESC: Cross Sections gamma L5

DESC: Nuclear Weapon Effects ship systems surface ships L1

DESC: Nuclear Weapon Effects on animals thermal burns heating
L5

DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity L5

DESC: TABULAR

EFFT: TREE ; THERMAL ; AIR-BLAST

REPN: NRDL TR 316

TSHO: SURFACE ; UW ; LOW-ALT

SUJO: 1-210-000 ; 2-611-000 ; 3-122-000 ; 3-312-100 ;
3-313-100 ;

9-830-000

TEMP: A5357

TITL: INTERIM PROCEDURES FOR UMPIRING SINGLE-WEAPON NUCLEAR
ATTACK ON

NAVAL SHIPS (U), 97 P., (C)

TREE: 399

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17752

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17753
AUTH: SHNIDER R.W.

CLSS: C
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 5901
 DESC: THEORY
 DESC: Nuclear Weapon Phenomenology UGT Debris in tunnels L1
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 DESC: Nuclear Weapon Effects structures underground tunnels L1
 ADM
 REPN: NRDL TR 292
 TSHO: UG-CONTAINED
 SUJO: 2-223-200 ; 2-230-000 ; 3-261-000
 TEMP: A5358
 TITL: RADIOLOGICAL EFFECTS OF NUCLEAR TUNNEL DEMOLITIONS (U),
 66 P., (C)
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 17753
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 copy: 1 id: 50542-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17754
 AUTH: SCHULTZE D.P. ; JENKS A.L. ; DEMUNCK J.S. ; STILWELL
 E.P.
 CLSS: C
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 5912
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L5
 DESC: Nuclear Weapon Effects ship systems surface ships L5
 CREW FALLOUT
 HAZARD
 DESC: TABULAR
 DESC: Nuclear Weapon Environment fallout arrival time L5
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L5
 REPN: NRDL TR 387
 TSHO: SURFACE ; UW
 SUJO: 2-225-100 ; 2-225-300 ; 3-122-000 ; 3-312-210
 TEMP: A5361
 TITL: RADIOLOGICAL ASSESSMENT SYSTEM FOR DAMAGE CONTROL
 CENTRAL OF THE USS
 ENTERPRISE CVA (N) 65 (U), 105 P., (C)
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 17754
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 copy: 1 id: 50543-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent

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INUM: 17755
ADNO: 518830
AUTH: SCHELL W.R. ; CAPUTI R.W.
CLSS: CFRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6001
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L1
DESC: EXPERIMENTAL
REPN: NRDL TR 395
SHOT: UMBRELLA ; WAHOO
TSHO: UW
SUJO: 2-223-100 ; 2-223-410
TEMP: A5362
TITL: DETERMINATION OF C138 INDUCED IN SEAWATER BY UNDERWATER
NUCLEAR
DETONATION (U), 18 P., (CFRD)

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17755

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copy: 1 id: 50544-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17756
AUTH: LAURINO R.K. ; SCHULTZE D.P. ; VANDENBERGHE G.
CLSS: CRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6003
DESC: Nuclear Weapon Environment fallout arrival time L1
DESC: Nuclear Weapon Effects ship systems surface ships L5
CREW FALLOUT
HAZARD
DESC: Nuclear Weapon Environment radiation decay gamma decay
L1
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external L1
DESC: TABULAR
REPN: NRDL TR 407
TSHO: SURFACE
SUJO: 2-223-420 ; 2-225-100 ; 2-225-300 ; 3-122-000 ;
3-312-210
TEMP: A5363
TITL: DECISION PROCEDURES FOR SHIPBOARD RADIOLOGICAL DEFENSE
(U), 117 P.,

(CRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17758
AUTH: RIEL G.K.
CLSS: CFRD
CORP: NAVAL ORDNANCE LAB. (WHITE OAK, MD.)
DATE: 6207
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L1
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
POOL CONTOURS
DESC: DUNC ; EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay gamma decay
L1
REPN: NOLTR 62 151
SHOT: SWORDFISH
TSHO: UW
SUJO: 2-223-410 ; 2-223-420 ; 2-225-100
TEMP: A5371
TITL: OPERATION SWORDFISH PROJECT DUNC (U), 50 P., (CFRD)

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17758
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17764
AUTH: MILLER C.F.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6109
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: Nuclear Weapon Environment fallout down fraction L1
DESC: THEORY EXPERIMENTAL
REPN: NRDL 466
SHOT: ZUNI ; BRAVO ; TEWA ; FLATHEAD ; NAVAJO ; SUGAR ; UNCLE
; DIABLO ;
SHASTA
TSHO: SURFACE ; WATER-SURFACE ; UG-VENTED
SUJO: 2-223-100 ; 2-225-200
TEMP: A5390

TITLE: THEORY OF DECONTAMINATION OF FALLOUT FROM NUCLEAR
DETONATIONS PART
II. METHODS FOR ESTIMATING THE COMPOSITION OF
CONTAMINATED SYSTEMS
(U), 84 P., (SRD)

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17764
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copy: 1 id: 50552-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17767
ADNO: 360453
AUTH: FERGUSON J.M.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6106
DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L1
DESC: TABULAR
REPN: NRDL TR 600
SUJO: 1-710-000
TEMP: A5395
TITL: EARLY-TIME GAMMA RADIATION FROM NUCLEAR WEAPONS (U), 24
P., (SRD)
TREE: 910

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17767
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copy: 1 id: 50555-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17768
AUTH: LANE W.B.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6210
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1

DESC: EXPERIMENTAL
REPN: NRDL TR 590
SHOT: DANNY BOY
TSHO: SURFACE
SUJO: 2-223-100
TEMP: A5394
TITL: SOME RADIOCHEMICAL AND PHYSICAL PROPERTIES OF NUCLEAR
DEBRIS FROM

DANNY BOY (U), 22 P., (SRD)

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copy: 1 id: 50556-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17770
ADNO: 525482L
AUTH: FERGUSON J.M.
CLSS: SFRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6102
DESC: TABULAR
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1 N

ACTIVATION
REPN: NRDL TR 494
TSHO: SURFACE
SUJO: 2-223-200
TEMP: A5405
TITL: NEUTRON-INDUCED RADIOACTIVITY IN BEACHES (U), 18 P.,
(SFRD)

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17770

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copy: 1 id: 50558-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17771
AUTH: TERESI J.D. ; SULIT R.A. ; LU W.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6112
DESC: Nuclear weapon safety radiological L1
DESC: THEORY
REPN: NRDL TR 538
SUJO: 4-838-100
TEMP: A5407
TITL: CLASSIFIED TITLE (U) 62 P., (SRD)

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copy: 1 id: 50559-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 17772
 AUTH: SPIELBERG D.
 CLSS: SRD
 CONN: DA 30 069 505 ORD 2460
 CORP: NUCLEAR DEVELOPMENT CORPORATION OF AMERICA (WHITE
 PLAINS, N.Y.)
 DATE: 6006
 DESC: Cross Sections neutron L1
 DESC: Nuclear Weapon Effects land transport armored vehicles
 L1 CREW
 HAZARD
 DESC: Cross Sections gamma L1
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 REPN: NDA 2106 9
 SUJO: 3-151-000 ; 3-312-100 ; 9-820-000 ; 9-830-000
 TEMP: A5408
 TITL: STUDY OF STEEL-POLYETHYLENE SHIELDS FOR PROTECTION
 AGAINST NUCLEAR
 RADIATIONS (U), 28 P., (SRD)
 TREE: 411 ; 412
 .block
 17772
 .endblock
 .block
 copy: 1 id: 50560-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 17777
 ABS: Plutonium, being an alpha emitter, is hazardous only if
 taken into the body. The two main methods of ingress into the body
 are ingestion and inhalation. Fortunately, the oxides of
 plutonium formed in a one-point detonation are nearly insoluble in
 the fluids of the gastrointestinal tract (0.003percent). Once in
 the stomach they are rapidly excreted as an inert material with
 virtually no body uptake. Inhalation, on the other hand, presents a
 considerable threat. Any particle which has reached the lower
 respiratory tract apparently has an excellent chance of clinging to
 alveolar surfaces and remaining to do local radiation damage, with a
 biological half life of about 1 year. Some of the finer particles so
 captured pass

into the blood stream over a period of several days.
ABS: This material remains as a blood burden until its slight
solubility allows eventual assimilation to the extent of 70 percent
of the material carried. This 70 percent is distributed
principally in bone, where it remains indefinitely. One cannot outlive
its influence, because the biological half life of plutonium
is about 120 years. The increased handling of nuclear weapons by
the armed forces has increased the probability of accidental or
premature detonations in populated areas, where the problems
associated with the inhalation of plutonium may face an unschooled and
unsuspecting public. It is essential that provisions be made to
handle any such emergency.

ADNO: 506296
AUTH: SMITH R.J.
CLSS: SRD
CORP: ARMY CHEMICAL WARFARE LAB. (ARMY CHEMICAL CENTER, MD.)
DATE: 6005
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment alpha activity L1
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
DESC: Nuclear weapon safety radiological L1
REPN: CWLR 2385
SHOT: HAMILTON ; QUINCE ; NTS 57
TSHO: SURFACE ; LOW-ALT
SUJO: 2-223-600 ; 2-225-100 ; 4-838-100
TEMP: A5420 ; 71708 (MF)
TITL: ALPHA Contamination Studies at Operations Plumbbob and
Hardtack (U),
33 P., (SRD)
TNFF: 8859

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17777
.endblock
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copy: 1 id: 50565-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17851
ADNO: AD 305768
AUTH: MOHBACH P.
CLSS: C

CORP: FRANKLIN INSTITUTE LABS.
 DATE: 5901
 DESC: Description No Vulnerability PEP Materials L1
 DESC: SUMMARY
 REPN: NAVORD R 6928
 SUJO: 3-950-000
 TEMP: A5298
 TITL: HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (U), 22
 P., (C)
 .block
 17851
 .endblock
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 copy: 1 id: 50619-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17861
 AUTH: SOULE R.R. ; PERKINS W.W. ; SCHUERT E.A.
 CLSS: C
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 6208
 DESC: HYDRA SIMULATION (RADIOACTIVE TRACER) ; EXPERIMENTAL
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L1
 POOL MEASUREMENTS
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Phenomenology plumes spray domes L1
 DESC: Nuclear Test Simulation Field Programs experiment design
 fallout
 radioactivity L1
 TSHO: UW
 SUJO: 2-223-100 ; 2-224-130 ; 2-225-100 ; 4-821-000
 TEMP: A5314
 TITL: INVESTIGATION OF THE RADIOLOGICAL EFFECTS FROM
 UNDERWATER NUCLEAR
 EXPLOSIONS USING 10,000-POUND HIGH-EXPLOSIVE CHARGES AS
 MODELS (U),
 266 P., (C)
 .block
 17861
 .endblock
 .block
 copy: 1 id: 50628-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17873
 AUTH: WHEELER D.
 CLSS: S
 CONN: DA 23 072 ORD 1441

CORP: GENERAL DYNAMICS (FT. WORTH, TX.)
 DATE: 6203
 DESC: Cross Sections gamma L1
 DESC: Cross Sections neutron L1 STEEL POLYETHYLENE
 DESC: EXPERIMENTAL TABULAR
 REPN: FZK 139
 SUJO: 9-820-000 ; 9-830-000
 TEMP: A5410
 TITL: EXPERIMENTAL SHIELDING STUDIES FOR A RADIATION-RESISTANT
 COMBAT
 VEHICLE (U), 70 P., (S)
 TREE: 411 ; 412
 .block
 17873
 .endblock
 .block
 copy: 1 id: 50639-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17900
 AUTH: KNAPP H.A.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION (WASH., D.C.)
 DATE: 6207
 DESC: Nuclear Weapon Environment radiation decay gamma decay
 L1 10 YEAR
 DECAY ENIWETOK SAND
 DESC: THEORY
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L5
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L1
 DESC: Radiation Transport gamma L1
 REPN: TID 16457
 SHOT: MIKE
 TSHO: SURFACE
 SUJO: 2-223-200 ; 2-223-420 ; 3-312-210 ; 9-620-000
 TITL: GAMMA RAY EXPOSURE DOSE TO NON-URBAN POPULATIONS FROM
 THE SURFACE
 DEPOSITION OF NUCLEAR TEST FALLOUT (U), 50 P., (U)
 .block
 17900
 .endblock
 .block
 copy: 1 id: 50662-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 17905
 AUTH: FULCHER E.M. ; MCDOWELL E.C. ; SHAW T.R.

CLSS: U
 CORP: JOHNS HOPKINS UNIVERSITY, OPERATIONS RESEARCH OFFICE
 (BETHESDA, MD.)
 DATE: 6106
 DESC: Nuclear Weapon Effects land transport armored vehicles
 L5 CREW
 HAZARD
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 DESC: THEORY
 EFFT: GAMMA
 REPN: ORO TP 36
 SUJO: 3-151-000 ; 3-312-100
 TITL: DIGITAL COMPUTER PROGRAM FOR NUCLEAR RADIATION
 ASSESSMENT (U), 24
 P., (U)
 .block
 17905
 .endblock
 .block
 copy: 1 id: 50667-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 17965
 AUTH: KINCH J.W. ; RIGOTTI D.L.
 CLSS: CFRD
 CORP: ARMY CHEMICAL WARFARE LABS. (ARMY CHEMICAL CENTER, MD.)
 DATE: 5907
 DESC: Cross Sections neutron L1 B-10 PU 239 U 235 P 32 OTHERS
 DESC: test instruments nuclear radiation neutron L1
 DESC: TABULAR
 REPN: CWLR 2282
 SUJO: 4-342-000 ; 9-820-000
 TEMP: A5232
 TITL: ACTIVATION-TYPE NEUTRON DETECTION SYSTEM AND ITS
 CALIBRATION (U), 56
 P., (CFRD)
 TREE: 652
 .block
 17965
 .endblock
 .block
 copy: 1 id: 50726-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 17980
 AUTH: MAHONEY J.J. ; MALONEY J.C. ; KILMINSTER D.T.
 CLSS: C
 CORP: ARMY CHEMICAL CORPS RESEARCH AND DEVELOPMENT COMMAND
 (ARMY CHEMICAL

CENTER, MD.)
DATE: 6005
DESC: Nuclear Weapon Effects structures field fortifications
L1 TROOPS IN
FIELD
DESC: TABULAR
DESC: Nuclear Weapon Effects on animals thermal burns heating
L1
REPN: CWLR 2394
SUJO: 3-140-000 ; 3-313-100
TEMP: A5249
TITL: SIGNIFICANCE OF THERMAL RADIATION AS A HAZARD TO TROOPS
IN FOXHOLES

(U), 45 P., (C)

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17980

.endblock

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copy: 1 id: 50741-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17987

AUTH: BOYD D.M. ; HOWE E.E. ; NEEDELS T.S. ; TOMLINSON W.R.JR.
; WATSON

B.B. ; WITHERS W.P.

CLSS: SRD

CORP: JOHNS HOPKINS UNIVERSITY, OPERATIONS RESEARCH OFFICE
(BETHESDA, MD.)

DATE: 6105

DESC: Nuclear Energy Power Nuclear Materials propulsion L1

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L5

DESC: TABULAR

REPN: ORO T 399

SUJO: 3-312-210 ; 3-512-000

TEMP: A5481

TITL: OPERATIONAL FEASIBILITY OF NUCLEAR-POWERED COMBAT
VEHICLES (U), 88

P., (SRD)

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17987

.endblock

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copy: 1 id: 50748-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17991

ABS: This study undertook to estimate the radiation dose
likely to be

received by medium and heavy tank crews by utilizing a
battle simulation in which nuclear weapons were used to a great
extent and in which medium and heavy tanks were employed in typical
combat missions. The effect of assuming various mixes of air
and ground bursts was examined. The dose due to initial gamma and
neutron radiation was taken into account as well as the
contribution of fallout and of radiation induced in the soil in the
vicinity of the Ground Zero (GZ) of an air burst. The effect of changing
the initial gamma radiation transmission factor from 0.3 to 0.1 was
also examined. A computer program was designed to facilitate
the large number of calculations involved.

AUTH: DOERFER G.L. ; DONALDSON J.L. ; FULCHER E.M. ; MCDOWELL E.C.

CLSS: SRD

CORP: JOHNS HOPKINS UNIVERSITY, OPERATIONS RESEARCH OFFICE
(BETHESDA, MD.)

DATE: 5912

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1

DESC: Nuclear Weapon Effects land transport armored vehicles
L1 CREW

FALLOUT INDIGO I

DESC: Nuclear Warfare Theater operations scenarios battlefield
environment

L1

DESC: TABULAR

DESC: Nuclear Weapon Environment fallout intensity contours
patterns L5

REPN: ORO SP 120

TSHO: LOW-ALT

SUJO: 2-225-100 ; 3-151-000 ; 3-312-210 ; 3-411-200

TEMP: A5485

TITL: EXPECTED RADIATION DOSES FOR TANK CREWS IN NUCLEAR
COMBAT (U), 56

P., (SRD)

TNFF: 4860

.block

17991

.endblock

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copy: 1 id: 50752-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18197
ABS: The NIKE Hercules/W31 system was tested for EMR susceptibility during July and August of 1961. The missile was tested in a normal field configuration; while being irradiated with EMR, the missile system was put through a simulated launching procedure as well as the steps to be taken in case of a missile misfire.

AUTH: JULIUS E.R.
CLSS: SRD
CORP: SANDIA CORPORATION
DATE: 6203
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety EM pickup EMR RF hazards L1
REPN: SCDR 3662 ; RS 3423/824
SOCE: W-31
SUJO: 4-838-400
SYST: NIKE HERCULES
TEMP: A5925
TITL: ELECTROMAGNETIC RADIATION SUSCEPTIBILITY TEST ON THE NIKE HERCULES
MISSILE/W31WARHEAD (U), 43 P., (SRD)
TNFF: 8850

.block

18197

.endblock

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copy: 1 id: 50958-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18244
CLSS: SRD
CORP: SANDIA CORP. (ALBUQUERQUE, NM)
DATE: 6212
DESC: Nuclear Test Simulation Field Programs experiment design electrical
electronic cable noise instrumentation links L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L1
EFFT: TREE
REPN: SC 4748 (WD) ; RS 3423/1119
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 3-161-100 ; 4-829-500
TEMP: A5883
TITL: NEUTRON AND GAMMA RAY RADIATION VULNERABILITY; OPERATION DOMINIC,

TREE: NTS SANDIA TEST GROUP, PROJECT 45.7 (U), 32 P., (SRD)
 397
 .block
 18244
 .endblock
 .block
 copy: 1 id: 51001-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18252
 CLSS: SRD
 CORP: SANDIA CORPORATION
 DATE: 6105
 DESC: Environmental Conditions at Nuclear Weapon Test Site
 site background
 radiation L1
 DESC: TABULAR
 DESC: Nuclear weapon safety operational in-field use
 reliability broken
 arrows L1
 REPN: SC 4552(WD) ; RS 3423/471
 SOCE: FUFO CLASS ; XW-50-X1 ; XW-59
 SUJO: 4-838-600 ; 4-846-000
 SYST: F-104 ; F-105 ; MINUTEMAN ; SKYBOLT
 TEMP: A5892
 TITL: CLASSIFIED TITLE (U) 45 P., (SRD)
 .block
 18252
 .endblock
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 copy: 1 id: 51009-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18305
 AUTH: PUGH G.E.
 CLSS: U
 CCDE: WSEG-10
 CORP: INSTITUTE FOR DEFENSE ANALYSES, WEAPONS SYSTEMS
 EVALUATION DIV.
 (WASH., D.C.)
 DATE: 6000
 DESC: Nuclear Weapon Environment fallout Deposition L1
 DESC: THEORY TABULAR
 DESC: Nuclear Weapon Effects on animals ionizing radiation L1
 EFFT: GAMMA
 REPN: WSEG RESEARCH MEMO. 10 SUPPL.
 SUJO: 2-225-000 ; 3-312-000
 TITL: REVISION OF FALLOUT PARAMETERS FOR LOW-YIELD
 DETONATIONS; SUPPLEMENT
 TO WSEG RESEARCH MEMO 10 (U), CA. 50 P., (U)

.block
18305
.endblock
.block
copy: 1 id: 51061-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18306
AUTH: PUGH G.E. ; GALIANO R.J.
CLSS: U
CCDE: WSEG-10
CORP: INSTITUTE FOR DEFENSE ANALYSES, WEAPONS SYSTEMS
EVALUATION DIV.
(WASH., D.C.)
DATE: 5910
DESC: Nuclear Weapon Environment fallout Deposition L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
DESC: Nuclear Weapon Phenomenology cloud Motion L1
DESC: Nuclear Weapon Environment Fallout Radioproperties L1
DESC: THEORY TABULAR
EFFT: GAMMA
REPN: WSED RESEARCH MEMO. 10
SUJO: 2-223-000 ; 2-224-000 ; 2-225-000 ; 3-312-100
TITL: ANALYTIC MODEL OF CLOSE-IN DEPOSITION OF FALLOUT FOR USE
IN
OPERATIONAL-TYPE STUDIES (U), 160 P., (U)

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18306
.endblock
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copy: 1 id: 51062-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18448
AUTH: GILBERT F.C. ; FREDEN S.C.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
DATE: 5903
DESC: Nuclear Test Simulation Field Programs experiment design
neutron
experiments L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L1
REPN: UCRL 5510
SHOT: HICKORY ; MAPLE
TSHO: WATER-SURFACE
SOCE: [REDACTED]

SUJO: 1-120-000 ; 4-820-300
 TEMP: A6216
 TITL: EXTERNAL NEUTRON MEASUREMENTS, OPERATION HARDTACK-PHASE
 I (U), 39
 P., (SRD)
 TREE: 920
 .block
 18448
 .endblock
 .block
 copy: 1 id: 51232-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18449
 AUTH: NANCE O. ; SMITH H.A.
 CLSS: SRD
 CCDE: SHARK (X-RAY LOADING) LLL
 CONN: W 7405 ENG 48
 CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
 DATE: 5907
 DESC: Nuclear Weapon Effects materials not systems associated
 L1
 DESC: THEORY CODE
 EFFT: X-RAY
 REPN: UCRL 5616 T
 SUJO: 3-240-000
 TEMP: A6217
 TITL: X-RAY EFFECTS CODE (U), 52 P., (SRD)
 .block
 18449
 .endblock
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 copy: 1 id: 51233-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18450
 AUTH: SMITH H.A. ; NANCE O.
 CLSS: SRD
 CCDE: SHARK (X-RAY LOADING) LLL
 CONN: W 7405 ENG 48
 CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
 DATE: 6005
 DESC: THEORY EXPERIMENTAL TABULAR
 DESC: Nuclear Weapon Effects materials metals alloys L1 PB AL
 C MICARTA FE
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 L1 EOS
 EFFT: X-RAY
 REPN: UCRL 5660

SHOT: LOGAN
 TSHO: UG-CONTAINED
 SUJO: 3-243-000 ; 9-710-000
 TEMP: A6218
 TITL: X-RAY EFFECTS (U), 77 P., (SRD)
 .block
 18450
 .endblock
 .block
 copy: 1 id: 51234-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18451
 AUTH: BONNER N.A.
 CLSS: SRD
 CONN: W 7405 ENG 48
 CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
 DATE: 6006
 DESC: Nuclear Test Simulation Field Programs experiment design
 neutron
 experiments L1
 DESC: Nuclear Weapon Environment Prompt Neutron angular
 distribution L1
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence L1
 REPN: UCRL 5995
 TSHO: WATER-SURFACE
 SOCE: WHISTLE ; CHERUB ; FLUTE
 SUJO: 1-110-000 ; 1-130-000 ; 4-820-300
 TEMP: A6219
 TITL: CLASSIFIED TITLE (U) 31 P., (SRD)
 TREE: 920
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 18451
 .endblock
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 copy: 1 id: 51235-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18452
 AUTH: VERGAMINI P.L.
 CLSS: U
 CONN: AF 33 (616) 7017
 CORP: UNIVERSITY OF DAYTON RESEARCH INSTITUTE
 DATE: 6105
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1

DESC: Radiation Transport thermal L1
DESC: THEORY
REPN: ASD TR 61 60
SHOT: LACROSSE ; CHEROKEE ; ZUNI ; ERIE ; FLATHEAD ; KICKAPOO
; INCA ;
DAKOTA ; MOHAWK ; APACHE ; NAVAJO ; TEWA ; HURON
TSHO: SURFACE ; LOW-ALT
SUJO: 1-210-000 ; 9-610-000
TITL: SIMPLIFIED METHOD FOR PREDICTING THERMAL RADIATION IN
THE VICINITY
OF NUCLEAR DETONATIONS (U), 34 P., (U)

.block
18452
.endblock

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copy: 1 id: 51236-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18452-SUP
AUTH: VERGAMINI P.L.
CLSS: SFRD
CONN: AF 33 (616) 7017
CORP: UNIVERSITY OF DAYTON RESEARCH INSTITUTE
DATE: 6105
DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity L1
DESC: EXPERIMENTAL SUMMARY
REPN: ASD TR 61 60 SUPL.1
SHOT: ZUNI ; FLATHEAD ; DAKOTA ; APACHE ; NAVAJO ; TEWA ;
HURON
SUJO: 1-210-000
TEMP: A6220
TITL: SIMPLIFIED METHOD FOR PREDICTING THERMAL RADIATION IN
THE VICINITY
OF NUCLEAR DETONATIONS SUPPLEMENT 1--SELECTED REDWING
THERMAL ENERGY
DATA (U), 4 P., (SFRD)

.block
18452-SUP
.endblock

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copy: 1 id: 51237-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18455
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
DATE: 6206

DESC: Nuclear weapon test placement including cab construction
for actual

detonation L1

DESC: Nuclear weapon security control L1

DESC: Nuclear weapon safety operational in-field use
reliability broken

arrows L1

DESC: TABULAR

REPN: UCRL 6971

SOCE:

SUJO: 4-832-700 ; 4-833-000 ; 4-838-600

SYST: POLARIS ; MK 2RV ; MK 1RV

TEMP: A6223

TITL: REPORT OF POLARIS ARMING CONTROL SUBCOMMITTEE (U), 205
P., (SRD)

.block

18455

.endblock

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copy: 1 id: 51240-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18456

AUTH: BEANE F.O. ; CHAPMAN W.H.

CLSS: SRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)

DATE: 6209

DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1

REPN: UCRL 7026

SHOT: HUDSON

TSHO: UG-CONTAINED

SOCE:

SUJO: 4-836-000

TEMP: A6224

TITL: CLASSIFIED TITLE (U) 16 P., (SRD)

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18456

.endblock

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copy: 1 id: 51241-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18487

AUTH: TOMNOVEC F.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO, CA.)

DATE: 6001

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: EXPERIMENTAL
REPN: NRDL TR 393
SHOT: OWENS
TSHO: LOW-ALT
SUJO: 2-223-100
TEMP: A5551
TITL: CONTRIBUTION OF SI28 (N,P) A1 28 REACTION TO INDUCED A1
27 (N,Y)

A128 RADIATION FIELDS FROM ATOMIC WEAPONS (U), 12 P.,
(SRD)

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18487

.endblock

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copy: 1 id: 51272-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18552

AUTH: CALME E.E. ; PATTERSON W.J.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO,
KY.)

DATE: 6200

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1 ELECTRON TUBES + TUBE PARTS

SUJO: 4-170-000

TITL: BASIC RADIATION EFFECTS MECHANISM STUDY ON ELECTRON
TUBES; REPORT

NO. 2 (U), 75 P., (U)

TREE: 305 ; 200

.block

18552

.endblock

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copy: 1 id: 51333-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18581

AUTH: LOEWE W.E. ; JERRI A.J. ; LYDAY R.O.JR. ; MCELROY W.N.
; SPERBER D.

CLSS: SRD

CORP: ARMY NUCLEAR DEFENSE LAB. (ARMY CHEMICAL CENTER, MD.)

DATE: 6202

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Environment Prompt Neutron source

strength total

fluence L1 DOSE
DESC: test instruments nuclear radiation neutron L1
REPN: NDL TR 27
SHOT: KICKAPOO
TSHO: SURFACE ; WATER-SURFACE ; LOW-ALT
SUJO: 1-110-000 ; 4-342-000
TEMP: A5506
TITL: NEUTRON DATA EVALUATION (U), 180 P., (SRD)
TREE: 920 ; 652

.block

18581

.endblock

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copy: 1 id: 51356-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18716

ABS: The results of experimental susceptibility tests
performed on the MC-627/MC-628 pulse fuzes are reported. The fuzes and
testing

procedures are briefly described. Jamming signals
included CW, swept
CW, amplitude-modulated CW, noise, and various pulse
signals.

AUTH: AMENDE J.W.

CLSS: S

CONN: DA 36 039 SC 78281

CORP: SYLVANIA ELECTRIC PRODUCTS INC. (MOUNTAIN VIEW, CA.)

DATE: 6006

DESC: Nuclear weapon safety EM pickup EMR RF hazards L1

DESC: EXPERIMENTAL

REPN: EDL M256

SOCE: MK 28 BOMB

SUJO: 4-838-400

TEMP: A6536

TITL: EXPERIMENTAL STUDY OF THE SUSCEPTIBILITY OF
MC-627/MC-628 FUZES TO
ELECTROMAGNETIC RADIATION (U) 64 P., (S)

TNFF: 8850

.block

18716

.endblock

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copy: 1 id: 51496-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18729

ADNO: 271339

AUTH: LUBATTI H.J. ; WICKLEIN H.W.
 CLSS: U
 CONN: AF 04 (647) 289
 CORP: BOEING AIRPLANE CO. (SEATTLE, WASH.)
 DATE: 6000
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 TA + AL
 CAPACITORS
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1 CABLES
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers L1
 AMPLIFIER
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects missile systems strategic
 electronics L1
 MINUTEMAN SQUIB DRIVER CIRCUIT AMPLIFIER CIRCUIT
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 SCR-S
 EFFT: TREE
 REPN: T2 2128
 SUJO: 3-112-130 ; 3-213-000 ; 3-221-000 ; 3-229-000 ;
 3-231-000
 TITL: OCTOBER, 1960, GODIVA III MINUTEMAN RADIATION EFFECTS
 TESTS (U), 105
 P., (U)
 TREE: 392
 .block
 18729
 .endblock
 .block
 copy: 1 id: 51509-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 18730
 CLSS: U
 CCDE: ZZ (RADIATION EFFECTS DATA REDUCTION)
 CORP: BOEING AIRPLANE CO. (SEATTLE, WASH.)
 DATE: 6200
 DESC: Simulation Facilities Techniques TREE L1 FLASH X-RAY
 DESC: test instruments electronic vulnerability TREE L1
 TRAILER CURRENT
 PROBE PREAMP
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 TRANSMISSION LINES
 DESC: Nuclear RDT&E Research Program Descriptions electronic
 vulnerability
 L1
 DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits L1
 TIMM-S (580 DEGREES C VACUUM)
 EFFT: TREE
 REPN: D2 9878 5
 SUJO: 3-222-000 ; 3-231-000 ; 4-170-000 ; 4-272-000 ;
 4-372-000
 TITL: TRANSIENT RADIATION EFFECTS INSTRUMENTATION TECHNIQUES
 (U), 171 P.,
 (U)
 TREE: 642
 .block
 18730
 .endblock
 .block
 copy: 1 id: 51510-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18731
 AUTH: FIRTH W.G.
 CLSS: U
 CONN: AF 04 (647) 289
 CORP: BOEING AIRPLANE CO. (SEATTLE, WASH.)
 DATE: 5900
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 DIODES TRANSISTORS
 DESC: Nuclear Weapon Effects electronic subsystems guidance
 control L1
 FLIP-FLOP
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 RESISTORS
 CAPACITORS
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects missile systems strategic
 electronics L1
 MINUTEMAN FLIP-FLOP
 EFFT: TREE
 REPN: D7 2641
 SUJO: 3-112-130 ; 3-211-000 ; 3-221-000 ; 3-229-000
 TITL: EFFECTS OF A NUCLEAR RADIATION BURST ON THE MINUTEMAN
 GUIDANCE AND
 CONTROL TRANSISTOR FLIP-FLOP (U), 25 P., (U)
 TREE: 342
 .block
 18731
 .endblock
 .block
 copy: 1 id: 51511-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18765
AUTH: GERSTEIN B. ; SCHLUETER A. ; FUEYO A. ; TYLKA J.
CLSS: U
CONN: DA 36 039 SC 85322
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6211
DESC: SIMULATION (LINAC CYCLOTRON PULSED REACTOR) ;
EXPERIMENTAL
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems L1 QUARTZ CRYSTAL UNITS CR18U CR19U
CR52U CR54U
CR47U CR(XM17)U CR18U
EFFT: TREE
SUJO: 3-132-220
TITL: EFFECTS OF NUCLEAR RADIATION ON QUARTZ CRYSTAL UNITS;
REPORT NO. 5
(U), CA. 300 P., (U)
TREE: 367

.block

18765

.endblock

.block

copy: 1 id: 51541-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18769
CLSS: U
CCDE: ZZ (CIRCUIT ANALYSIS)
CONN: AF 29 (601) 5399
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6212
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1 COMPUTERS FOR TITAN II + STINGS
REPN: IBM 62 521 27
SUJO: 4-170-000
TITL: PULSE RADIATION EFFECTS ON AEROSPACE DIGITAL COMPUTER
(U), 20 P.,
(U)

TREE: 341

.block

18769

.endblock

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copy: 1 id: 51545-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18837
 ABS: Tests were conducted at the naval weapons laboratory
 during January 1961, to determine the susceptibility of the MK 101/S2F
 weapon/aircraft system to electromagnetic radiation from
 radio and radar transmitters.
 AUTH: CARTER A.G.JR.
 CLSS: SRD
 CORP: SANDIA CORPORATION
 DATE: 6203
 DESC: Nuclear weapon safety EM pickup EMR RF hazards L1
 DESC: EXPERIMENTAL
 REPN: SCDR 267 61 ; RS 3423/598
 SOCE: MK 101 BOMB
 SUJO: 4-838-400
 SYST: S-2F AIRCRAFT
 TEMP: A6451
 TITL: VULNERABILITY TESTS OF THE MK 101 WITH THE S2F AIRCRAFT
 (U) 121 P.,
 (SRD)
 TNFF: 8850
 .block
 18837
 .endblock
 .block
 copy: 1 id: 51613-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 18908
 AUTH: KRIEGER H.A. ; CARLSON C.R.
 CLSS: SRD
 CORP: SANDIA CORPORATION (ALBUQUERQUE, N.M.)
 DATE: 6006
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L5
 DESC: Nuclear Weapon Effects ordnance bombs mines warheads
 nuclear L5
 DESC: TABULAR
 DESC: Nuclear Warfare Strategic targeting fuzing salvage
 fuzing optimum
 burst L1
 DESC: Nuclear Weapon Effects flight systems airplanes
 structures L5
 EFFT: NEUTRON ; AIR-BLAST
 REPN: SCDR 166 60 ; RS 3423/177
 SUJO: 3-111-100 ; 3-161-100 ; 3-312-100 ; 3-425-100
 SYST: B-52A AIRCRAFT
 TEMP: A6354
 TITL: NUCLEAR BURSTS FROM KILLED DELIVERY SYSTEMS (DEAD MAN
 SALVAGE) (U),
 84 P., (SRD)

.block
18908
.endblock
.block

copy: 1 id: 51683-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18953
AUTH: DUFF R.E. ; WATTENBURG W.H.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6212
DESC: test instruments test hardware shock wave display L5
CABLE
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time
spectrum duration L1
EFFT: TREE
REPN: UCRL 7164
SHOT: ANACOSTIA
TSHO: UG-CONTAINED
SUJO: 2-622-000 ; 3-231-000 ; 4-313-000
TEMP: A6553
TITL: PERFORMANCE OF COAXIAL CABLE IN THE VICINITY OF A
NUCLEAR EXPLOSION
20 P., (SRD)
TREE: 390

.block
18953
.endblock
.block

copy: 1 id: 51728-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19072
AUTH: BANKOFIER A. ; NEWCOMBE C.L. ; TERESI J.D. ; MACKIN J.L.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO,
CA.)
DATE: 6212
DESC: TABULAR
DESC: Nuclear Energy Power Nuclear Materials Facilities
security safety
handling transport safeguards L1
REPN: NRDL TR 545 SUPPL
SUJO: 3-520-000

TEMP: A6964
 TITL: RADIATION HAZARDS ASSOCIATED WITH OPERATION OF SNAP,
 ROVER, AND PLUTO NUCLEAR-POWERED SPACE UNITS (U) 134 P., (SRD)
 .block
 19072
 .endblock
 .block
 copy: 1 id: 51846-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 19073
 ABS: This bibliography presents abstracts of all research
 reports published prior to October 1961 by the U.S. Army
 Chemical Corps Nuclear Defense Laboratory and its predecessors, reports
 prepared by NDL personnel and published by other agencies, and
 reports resulting from research conducted under contract to this
 laboratory. It supersedes CRLR 413, bibliography, with abstracts, of
 reports of radiological division, chemical and radiological
 laboratories (u), and CWL SP 3-5, bibliography with abstracts of
 radiological division reports from may 1954 to may 1958. Included in this
 report are abstracts of Technical Command Reports (TCR) prior to
 1951; Chemical and Radiological Laboratories Reports (CRLR) from 1951
 to 1956; Chemical Warfare Laboratories Reports (CWLRL) from 1956
 to September 1960; U.S. Army Chemical Corps Nuclear Defense
 Laboratory reports (NDL) from September 1960 to October 1961;
 ABS: Technical Memoranda (TM) from November 1957 to October
 1961, interim test reports (ITR) and weapons test reports (WT) to
 October 1961. A subject index and an author index are also included.
 AUTH: CONWAY B.J.
 CLSS: SRD
 CORP: ARMY NUCLEAR DEFENSE LABORATORY (ARMY CHEMICAL CENTER,
 MD.)
 DATE: 6201
 DESC: Nuclear Warfare Postattack Recovery bibliographies L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation L1
 DESC: Nuclear Weapon Environment Initial Gamma source strength

total
 intensity L1
 DESC: Nuclear Weapon Environment Prompt Neutrons L1
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1
 DESC: BIBLIOGRAPHY
 DESC: Cross Sections gamma L1
 DESC: Cross Sections neutron L1
 DESC: Nuclear Warfare Postattack Recovery decontamination L1
 REPN: NDL TR 25
 SUJO: 1-100-000 ; 1-210-000 ; 1-710-000 ; 3-312-000 ;
 3-440-100 ;
 3-448-900 ; 9-820-000 ; 9-830-000
 TEMP: A6965
 TITL: BIBLIOGRAPHY, WITH ABSTRACTS, OF REPORTS OF NUCLEAR
 DEFENSE
 LABORATORY AND ITS PREDECESSORS (U) 156 P., (SRD)
 .block
 19073
 .endblock
 .block
 copy: 1 id: 51847-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 19108
 AUTH: VORESS H.E.
 CLSS: SRD
 CORP: ATOMIC ENERGY COMMISSION
 DATE: 6105
 DESC: BIBLIOGRAPHY SUMMARY
 DESC: Nuclear Warfare Strategic radiological warfare L1
 REPN: TID 3632
 SUJO: 3-422-800
 TEMP: A6672
 TITL: RADIOLOGICAL WARFARE (U) 27 P., (SRD)
 .block
 19108
 .endblock
 .block
 copy: 1 id: 51882-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 19122
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
 DATE: 6206
 DESC: Nuclear Weapon Test safety L1
 DESC: TABULAR
 DESC: Nuclear Test Simulation Field Programs experiment design

electrical

electronic cable noise instrumentation links L1 NUCLEAR

WARHEAD

REPN: CN TGD 103, REV 1

SHOT: SMALL BOY

TSHO: SURFACE

SUJO: 4-829-500 ; 4-856-000

TEMP: A6712

TITL: SMALL BOY LRL SECTOR RECOVERY PROCEDURE (U) 53 P., (SRD)

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19122

.endblock

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copy: 1 id: 51896-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19124

AUTH: WESTLUND E.F. ; STEELE W.J.

CLSS: SRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6003

DESC: Nuclear Weapon Effects materials metals alloys L1

DESC: TEST DATA L1 ; EXPERIMENTAL

EFFT: X-RAY

REPN: COC 1567

SHOT: LOGAN

TSHO: UG-CONTAINED

SUJO: 3-243-000

TEMP: A6714

TITL: METALLOGRAPHIC EXAMINATION OF METAL SAMPLES FROM LOGAN

SHOT (U) 16

P., (SRD)

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19124

.endblock

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copy: 1 id: 51898-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19191

AUTH: BROWER R.W.

CLSS: SRD

CORP: EG+G

DATE: 6109

DESC: TABULAR

DESC: Nuclear Test Simulation Field Programs experiment design

x-ray

experiments L1

DESC: test instruments visible L1

DESC: Nuclear Test Simulation Field Programs experiment design

optical

radiation experiments UV visible IR L1
REPN: EGG L 537
SHOT: MARSHMALLOW
TSHO: UG-CONTAINED
SUJO: 4-382-000 ; 4-820-500 ; 4-820-600
TEMP: A6903
TITL: DASA PROJECT 841-OPTICAL LINKS--OPTICAL DATA GATHERING
SYSTEMS OF
PROGRAM 800 (U) 78 P., (SRD)

.block

19191

.endblock

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copy: 1 id: 51973-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19208

ABS: Because many weapon systems involve wide spread
dispersal and a
short reaction time, they present a serious safety and
control
problem. To be acceptable in terms of the risk of
unauthorized
nuclear expenditure in the time frame of its
availability, advanced
technology not here-to-fore applied must be considered.
It seems
clear that the prevention of unauthorized intentional
acts (the
control problem) rather than the prevention of
unauthorized
unintentional acts (the safety problem) are most likely
to be of
primary concern. It is with the problem of control that
this report
concerns itself.

AUTH: FRIED M.

CLSS: SRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6212

DESC: TABULAR

DESC: Nuclear weapon security control L1

REPN: UCID 4545

SUJO: 4-832-700

TEMP: A6986

TITL: INTEGRATED WEAPON AND INTEGRITY SENSING SYSTEM
PRELIMINARY STUDY

REPORT (U) 23P., (SRD)

TNFF: 7496

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19208
.endblock
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copy: 1 id: 51990-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19209
AUTH: CANFIELD R.V. ; GUSTAVSON M.R. ; SALISBURY J.D. ; DARBY
G.C.
CLSS: SFRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6212
DESC: THEORY
DESC: Nuclear weapon security control L1
REPN: UCID 4542
SUJO: 4-832-700
TEMP: A6987
TITL: SYSTEM FOR NUCLEAR WEAPONS CONTROL (U), 34 P., (SFRD)
TNFF: 7496

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19209
.endblock

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copy: 1 id: 51991-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19210
AUTH: O'CONNELL L.G.
CLSS: SFRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6211
DESC: Nuclear weapon security control L1
DESC: TABULAR
REPN: UCID 4538
SUJO: 4-832-700
TEMP: A6988
TITL: WIRE MEMBRANES FOR INTEGRITY SENSING SYSTEMS (U) 53 P.,
(SFRD)
TNFF: 7496

.block
19210
.endblock

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copy: 1 id: 51992-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19211
AUTH: GRASBERGER W.H.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6210
DESC: THEORY
DESC: Nuclear Weapon Environment X-ray Output energy spectrum

L1

REPN: UCID 4533
SHOT: MARSHMALLOW
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 1-620-000
TEMP: A6989
TITL: CLASSIFIED TITLE (U) 14 P., (SRD)
TREE: 930

.block

19211

.endblock

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copy: 1 id: 51993-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19212
AUTH: WAINWRIGHT T.E.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6006
DESC: THEORY SUMMARY
DESC: Nuclear weapon basic design L1
REPN: UCID 4152
SUJO: 4-831-000
TEMP: A6990
TITL: SCHEME FOR CONCENTRATING RADIANT ENERGY FROM A BOMB (U)
7 P., (SRD)

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19212

.endblock

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copy: 1 id: 51994-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19213
AUTH: SHEARER J.N.
CLSS: S
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 5904
DESC: Nuclear Weapon Test safety L1
DESC: TEST DATA L1 MATERIALS ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials metals alloys L1

EFFT: X-RAY
 REPN: UCID 4502
 SHOT: LOGAN
 TSHO: UG-CONTAINED
 SUJO: 3-243-000 ; 4-856-000
 TEMP: A6991
 TITL: RECOVERY OPERATION FOR THE LOGAN SHOT (U) 39 P., (S)
 .block
 19213
 .endblock
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 copy: 1 id: 51995-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 19224
 AUTH: STERN H.A. ; FREE J.J. ; LILLER P.R. ; TURNBULL J.C.
 CLSS: U
 CONN: DA 36 039 SC 89121
 CORP: RCA, ELECTRON TUBE DIVISION (LANCASTER, PA.)
 DATE: 6200
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 ELECTRON
 TUBE MATERIALS
 ELECTRON TUBES POWER TETRODE TRIODE NUVISTOR
 DESC: Nuclear Weapon Effects materials carbon L1
 DESC: Nuclear Weapon Effects materials ceramics optical L1
 DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
 EFFT: TREE
 SUJO: 3-229-000 ; 3-241-000 ; 3-248-000
 TITL: RADIATION-INDUCED GAS EFFECTS ON ELECTRON TUBE
 MATERIALS; THIRD
 QUARTERLY PROGRESS REPORT (U), 50 P., (U)
 TREE: 305
 .block
 19224
 .endblock
 .block
 copy: 1 id: 52015-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 19501
 AUTH: SULIT R.A.
 CLSS: C
 CORP: NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO,
 CA.)
 DATE: 6006
 DESC: Nuclear Weapon Effects ship systems surface ships L1
 CREW
 DESC: Nuclear Weapon Environment Thermal Output source

strength total

intensity L5

DESC: Nuclear Weapon Effects on animals thermal burns heating
L1

DESC: Nuclear Weapon Environment Thermal Output rate L5

DESC: TABULAR

EFFT: THERMAL

REPN: NRDL TR 427

SUJO: 1-210-000 ; 1-240-000 ; 3-122-000 ; 3-313-100

TEMP: A7371

TITL: PREDICTION OF SHIPBOARD THERMAL COMBAT INEFFECTIVES (U),
83 P., (C)

.block

19501

.endblock

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copy: 1 id: 52261-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19540

ABS: Instrumented and go-no-go tests were conducted by the
U.S. Naval

Weapons Laboratory aboard the USS GYATT (DDG-1) to
determine the

susceptibility of the BW-1 Terrier missile to
electromagnetic

radiation from radio and radar transmitters installed on
board.

AUTH: GILBERTSON W.L.

CLSS: C

CORP: NAVAL WEAPONS LABORATORY (DAHLGREN, VA.)

DATE: 5910

DESC: EXPERIMENTAL

DESC: Nuclear weapon safety EM pickup EMR RF hazards L1

REPN: NWL R 1677

SUJO: 4-838-400

SYST: TERRIER

TEMP: A7343

TITL: INVESTIGATION OF ELECTROMAGNETIC HAZARDS TO THE BW-1
TERRIER MISSILE

ABOARD THE USS GYATT (DDG-1) (U), CA. 20 P., (C)

TNFF: 8850 ; 8883

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19540

.endblock

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copy: 1 id: 52298-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19541

ABS: Instrumented and go-no-go tests were conducted on board
the USS
REGULUS I HELENA (CA-75) to determine the susceptibility of the
rocket booster igniter (MK 174), to activation as a
result of exposure to the electromagnetic environment existing
aboard.

AUTH: SHORT J.S. ; HINKLE C.J.

CLSS: C

CORP: NAVAL WEAPONS LABORATORY (DAHLGREN, VA.)

DATE: 5909

DESC: EXPERIMENTAL

DESC: Nuclear weapon safety EM pickup EMR RF hazards L1

REPN: NWL R 1676

SUJO: 4-838-400

SYST: REGULUS

TEMP: A7344

TITL: INVESTIGATION OF ELECTROMAGNETIC RADIATION HAZARDS TO
REGULUS I

MISSILE BOOSTER IGNITER ABOARD THE USS HELENA (CA-75)
(U), CA. 20

P., (C)

TNFF: 8850 ; 8883

.block

19541

.endblock

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copy: 1 id: 52299-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19573

ABS: The external radiation emitted from MK-50, -54, and -59
weapons was

measured. The gamma and neutron components were measured
with film

badges and an assortment of standard radiation survey
instruments.

The total dose rate from each device was measured for
the skin and

the whole body at various distances.

AUTH: HANKINS D.E. ; DUMMER J.E.

CLSS: SRD

CONN: W 7405 ENG 36

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS, NM.)

DATE: 6208

DESC: monitoring identification of unexploded devices
stockpile radiant

emissions intrinsic radiations L1

DESC: Nuclear weapon safety radiological L1

REPN: LA 2699

SOCE: MK 54 ; MK 50 ; MK 59

SUJO: 4-838-100 ; 4-839-000
TEMP: A7218
TITL: RADIATION SURVEY OF TYPES 74 AND 81 NUCLEAR PITS AND
MK-50, -54, AND
-59 NUCLEAR WARHEADS (U) 18 P., (SRD)
TNFF: 7450 ; 8860
.block
19573
.endblock
.block
copy: 1 id: 52331-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19639-222
AUTH: WAXLER D.
CLSS: SRD
CORP: PICATINNY ARSENAL (DOVER, N.J.)
DATE: 6210
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety EM pickup EMR RF hazards L5
SUJO: 4-838-400
SYMJ: ARMY FOURTH NUCLEAR WEAPONS SYMPOSIUM
SYST: LACROSSE ; NIKE HERCULES
TITL: VULNERABILITY OF NUCLEAR WEAPONS TO ELECTROMAGNETIC
RADIATION (U), 8
P., (SRD)
TNFF: 8850
.block
19639-222
.endblock
.block
copy: 1 id: 52412-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19639-299
AUTH: SQUIRES R.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6210
DESC: SUMMARY
DESC: Nuclear weapon program management documents L5
SUJO: 4-830-500
SYMJ: ARMY FOURTH NUCLEAR WEAPONS SYMPOSIUM
TITL: WARHEAD DESIGN PROGRESS (U), 7 P., (SRD)
.block
19639-299
.endblock
.block
copy: 1 id: 52417-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19649
AUTH: CHRISTOFILOS N.C.
CLSS: U
CONN: W 7405 ENG 48 (AEC)
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 5906
DESC: THEORY SURVEY
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris
TSHO: HI-ALT
SUJO: 2-217-000 ; 4-822-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 64, NUMBER
8 (U), P 869,
AUGUST, 1959
TITL: ARGUS EXPERIMENT (U), 7 P (U)

.block
19649
.endblock
.block

copy: 1 id: 52432-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19650
AUTH: VAN ALLEN J.A. ; MCILWAIN C.E. ; LUDWIG G.H.
CLSS: U
CONN: DA 11 022 ORD 2788
CORP: STATE UNIVERSITY OF IOWA (IOWA CITY-IOWA)
DATE: 5904
DESC: SATELLITE (EXPLORER 4) ; EXPERIMENTAL
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris
DESC: test instruments nuclear radiation beta electron beams
SHOT: ARGUS-1 ; ARGUS-2 ; ARGUS-3
TSHO: HI-ALT
SUJO: 2-212-000 ; 2-217-000 ; 4-343-000 ; 4-344-000 ;
4-822-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 64, NUMBER
3 (U), P 877,
AUGUST, 1959
TITL: SATELLITE OBSERVATIONS OF ELECTRONS ARTIFICIALLY

INJECTED INTO THE

GEOMAGNETICFIELD (U), 15 P (U)

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19650

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copy: 1 id: 52433-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19670

AUTH: CLADIS J.B. ; WALT M.

CLSS: U

CONN: AF 29 (601) 1764 (AFSWC) ; AF 29 (601) 2862 (AFSWC)

CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO

ALTO-CALIFORNIA)

DATE: 6209

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping

DESC: test instruments nuclear radiation beta electron beams

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

SHOT: ARGUS-2

TSHO: HI-ALT

SUJO: 2-212-000 ; 2-213-000 ; 2-217-000 ; 4-344-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 67, NUMBER
13 (U), P

5035, DECEMBER 1962

TITL: BEHAVIOR OF GEOMAGNETICALLY TRAPPED ELECTRONS INJECTED
BY

HIGH-ALTITUDE NUCLEAR DETONATIONS (U), 20 P (U)

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19670

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copy: 1 id: 52453-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19675

AUTH: BROWN W.L. ; GABBE J.D.

CLSS: U

CORP: BELL TELEPHONE LABORATORIES (MURRAY HILL-NEW JERSEY)

DATE: 6211

DESC: test instruments nuclear radiation beta electron beams

DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping

DESC: SATELLITE (TELSTAR) ; EXPERIMENTAL
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000 ; 4-344-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 607,

FEBRUARY 1, 1963

TITL: ELECTRON DISTRIBUTION IN THE EARTH'S RADIATION BELTS
DURING JULY
1962 AS MEASURED BY TELSTAR (U), 12 P (U)

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copy: 1 id: 52458-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19676

AUTH: VAN ALLEN J.A. ; FRANK L.A. ; O BRIEN B.J.

CLSS: U

CORP: STATE UNIVERSITY OF IOWA (IOWA CITY-IOWA)

DATE: 6211

DESC: SATELLITE (INJUN 1) SATELLITE (EXPLORER 14) SATELLITE
(TELSTAR) ;

EXPERIMENTAL

DESC: test instruments nuclear radiation proton alpha heavy
particle

DESC: test instruments nuclear radiation beta electron beams

DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-217-000 ; 4-343-000 ; 4-344-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 619,

FEBRUARY 1, 1963

TITL: SATELLITE OBSERVATIONS OF THE ARTIFICIAL RADIATION BELT
OF JULY 1962

(U), 9 P (U)

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19676

.endblock

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copy: 1 id: 52459-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19677

AUTH: SMITH R.V. ; IMHOF W.L.

CLSS: U

CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO

ALTO-CALIFORNIA)

DATE: 6211
DESC: SATELLITE (1962 ALPHA UPSILON) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: test instruments nuclear radiation beta electron beams
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000 ; 4-344-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 629,
FEBRUARY 1963
TITL: SATELLITE MEASUREMENTS OF THE ARTIFICIAL RADIATION BELT
(U), 5 P (U)
.block
19677
.endblock
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copy: 1 id: 52460-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19678
AUTH: PIEPER G.F. ; WILLIAMS D.J. ; FRANK L.A.
CLSS: U
CONN: NOW 62 0604 C (BNW) ; N 9 ONR 93803 (ONR)
CORP: APPLIED PHYSICS LABORATORY (SILVER SPRING-MARYLAND) ,
STATE
UNIVERSITY OF IOWA(IOWA CITY-IOWA)
DATE: 6211
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: SATELLITE (TRAAC) ; EXPERIMENTAL
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 635,
FEBRUARY 1, 1963
TITL: TRAAC OBSERVATIONS OF THE ARTIFICIAL RADIATION BELT FROM
THE JULY 9,
1962, NUCLEAR DETONATION (U), 6 P (U)
.block
19678
.endblock
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copy: 1 id: 52461-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19679
AUTH: MOZER F.S. ; ELLIOTT D.D. ; MIHALOV J.D. ; PAULIKAS G.A.

; VAMPOLA

CLSS: U
CONN: AF 04 (695) 169
CORP: AEROSPACE CORPORATION (EL SEGUNDO-CALIFORNIA)
DATE: 6211
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: test instruments nuclear radiation beta electron beams
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: SATELLITE (1962 ALPHA UPSILON) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-213-000 ; 2-217-000 ; 4-343-000 ; 4-344-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 641,
FEBRUARY 1, 1963
TITL: PRELIMINARY ANALYSIS OF THE FLUXES AND SPECTRUMS OF
TRAPPED
PARTICLES AFTER THE NUCLEAR TEST OF JULY 9, 1962 (U), 9
P (U)
.block
19679
.endblock
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copy: 1 id: 52462-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19680
AUTH: PIEPER G.F.
CLSS: U
CONN: NOW 62 0604 C (BNW)
CORP: APPLIED PHYSICS LABORATORY (SILVER SPRING-MARYLAND)
DATE: 6211
DESC: SATELLITE (TRAAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 651
FEBRUARY 1, 1963
TITL: SECOND RADIATION BELT FROM THE JULY 9, 1962, NUCLEAR
DETONATION (U),
5 P (U)
.block
19680

.endblock
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copy: 1 id: 52463-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19681
AUTH: MOTZ H.T. ; CARTER R.E.
CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NEW MEXICO)
DATE: 6211
DESC: test instruments nuclear radiation beta electron beams
SUJO: 4-344-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 657,
FEBRUARY 1, 1963
TITL: ARTIFICIAL RADIATION BELT STUDIES WITH A FISSION
BETA-RAY SOURCE
(U), 5 P (U)

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19681
.endblock
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copy: 1 id: 52464-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19682
AUTH: HESS W.N.
CLSS: U
CORP: NASA/GODDARD SPACE FLIGHT CENTER (GREENBELT-MARYLAND)
DATE: 6211
DESC: SATELLITE (TRAAC) SATELLITE (TELSTAR) SATELLITE (INJUN
1) ;

EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
REPN: NASA TN D 1687
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
3 (U), P 667,
FEBRUARY 1, 1963
TITL: ARTIFICIAL RADIATION BELT MADE ON JULY 9, 1962 (U), 17
P (U)

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19682
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copy: 1 id: 52465-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19685
AUTH: DYCE R.B. ; HOROWITZ S.
CLSS: U
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CALIFORNIA) ,
AIR
FORCE/CAMBRIDGE RESEARCH LABORATORIES
(BEDFORD-MASSACHUSETTS)
DATE: 6211
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
DESC: PALMYRA I HUANCAYO PERU WAKE I OAHU HAWAII CANTON I
JOHNSTON I S1
SHIP S2 SHIP S3 SHIP S4 SHIP ; EXPERIMENTAL
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-420-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U) , VOLUME 68, NUMBER
3 (U) , P 713,
FEBRUARY 1, 1963
TITL: MEASUREMENTS OF SYNCHROTRON RADIATION AT CENTRAL PACIFIC
SITES (U) ,
9 P (U)

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19685
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copy: 1 id: 52468-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19686
AUTH: PETERSON A.M. ; HOWER G.L.
CLSS: U
CORP: STANFORD UNIVERSITY (PALO ALTO-CALIFORNIA) , STANFORD
RESEARCH
INSTITUTE (MENLO PARK-CALIFORNIA)
DATE: 6211
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
DESC: THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000 ; 2-420-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U) , VOLUME 68, NUMBER
3 (U) , P 723,
FEBRUARY 1, 1962
TITL: SYNCHROTRON RADIATION FROM HIGH-ENERGY ELECTRONS (U) , 12
P (U)
.block
19686

.endblock
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copy: 1 id: 52469-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19814
AUTH: JOHNSON M.H. ; LIPPMANN B.A.
CLSS: U
CORP: AERONUTRONIC DIVISION OF PHILCO CORPORATION (NEWPORT
BEACH-CALIFORNIA) , LAWRENCE RADIATION LABORATORY
(LIVERMORE-CALIFORNIA)
DATE: 6008
DESC: SURVEY THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP
EMPF: 221
TSHO: HI-ALT
SUJO: 2-510-000
SYMJ: PHYSICAL REVIEW (U) VOLUME 119, NUMBER 3 (U), P 827,
AUGUST 1, 1960
TITL: ELECTROMAGNETIC SIGNALS FROM NUCLEAR EXPLOSIONS IN OUTER
SPACE (U),
2 P (U)

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19814
.endblock
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copy: 1 id: 52596-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19819-018
AUTH: HILLENDahl R.W.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 5912
DESC: Nuclear Weapon Environment Visible Output source
strength total
intensity L5
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Environment Visible Output rate L5
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L5
SUJO: 1-410-000 ; 1-440-000 ; 2-110-000
SYMJ: PROCEEDINGS OF THE RESEARCH AND DEVELOPMENT SYMPOSIUM ON
EYE
PROTECTION FROM NUCLEAR WEAPONS FLASH
TITL: NUCLEAR WEAPONS FLASH CHARACTERISTICS (U), 16 P., (SRD)

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19819-018
.endblock

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copy: 1 id: 52613-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19819-101
AUTH: MONAHAN T.I.
CLSS: SRD
DATE: 5912
DESC: SUMMARY
DESC: Simulation Facilities Techniques biomedical nuclear
radiation L5
RETINAL BURN
SUJO: 4-251-000
SYMJ: PROCEEDINGS OF THE RESEARCH AND DEVELOPMENT SYMPOSIUM ON
EYE
PROTECTION FROM NUCLEAR WEAPONS FLASH
TITL: SUMMARY REPORT ON ACTIVITY AT THE NAVAL MATERIAL
LABORATORY NEW YORK
NAVAL SHIPYARD, BROOKLYN, N.Y. (U), 6 P., (SRD)

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19819-101

.endblock

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copy: 1 id: 52619-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19819-168
AUTH: JENKINS R.J.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 5912
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals thermal ocular effects
L1
SUJO: 3-313-200
SYMJ: PROCEEDINGS OF THE RESEARCH AND DEVELOPMENT SYMPOSIUM ON
EYE
PROTECTION FROM NUCLEAR WEAPONS FLASH
TITL: LABORATORY PROGRAM TO STUDY METHODS OF PROTECTION OF THE
EYES FROM
FLASH BLINDNESS (U), 8 P., (SRD)

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19819-168

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copy: 1 id: 52626-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19858
 CLSS: SRD
 CORP: CONTINENTAL ARMY COMMAND (FT. BLISS, TX.)
 DATE: 6112
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity L5
 DESC: Nuclear Weapon Effects structures field fortifications
 L1
 DESC: EXPERIMENTAL
 DESC: Cross Sections gamma L5 SOIL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L5
 EFFT: NEUTRON ; GAMMA
 REPN: OSWD 60 2
 SHOT: ABLE (R) ; BAKER 1 (R) ; BAKER 2 (R) ; EASY (R) ; FOX
 (R) ; BAKER
 (BJ) ; CHARLIE (BJ) ; DOG (BJ) ; ITEM ; SUGAR ; GRABLE
 ; TESLA ; ESS
 ; POST ; MET ; APPLE II ; PRISCILLA ; HAMILTON ;
 HUMBOLDT
 TSHO: LOW-ALT
 SUJO: 1-710-000 ; 3-140-000 ; 3-312-100 ; 9-830-000
 TEMP: A7062
 TITL: PROTECTION OFFERED BY FOXHOLES TO NUCLEAR RADIATION (U),
 67 P.,
 (SRD)
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 19858
 .endblock
 .block
 copy: 1 id: 52670-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 19861
 ABS: Analysis has been made of the hazard from airborne
 plutonium from
 weapon accidents.
 AUTH: MERRITT M.L. ; COWAN M. ; REED J.W. ; SHREVE J.D.
 CLSS: SRD
 CORP: SANDIA CORPORATION (ALBUQUERQUE, NM.)
 DATE: 5907
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1 DOGS
 DESC: Nuclear weapon safety radiological L1
 REPN: SC 4326 (TR)
 SHOT: PROJECT 57
 SOCE: XXXXXXXXXX
 SUJO: 3-312-220 ; 4-838-100
 TEMP: A7199
 TITL: AIRBORNE PLUTONIUM FROM WEAPON ACCIDENTS (U), 33 P.,

EFFT: TREE
 REPN: ASD TR 62 550
 SUJO: 3-132-220 ; 3-212-000 ; 3-213-000 ; 3-219-000 ;
 3-221-000 ;
 3-222-000 ; 3-225-000 ; 3-229-000 ; 3-233-000 ;
 4-311-000 ;
 4-314-000
 TITL: RADIATION EFFECTS STUDY FOR TERCOM (U), CA. 300 P., (U)
 TREE: 300
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 20090
 .endblock
 .block
 copy: 1 id: 53130-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20134
 AUTH: KESTER J.E.
 CLSS: U
 CONN: AF 33(616) 7017
 CORP: UNIVERSITY OF DAYTON RESEARCH INSTITUTE
 DATE: 6107
 DESC: THEORY
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L5
 DESC: Radiation Transport thermal L1
 REPN: ASD TN 61 86
 SUJO: 1-210-000 ; 9-610-000
 TITL: ON THE UNATTENUATED THERMAL RADIATION FROM NEAR SEA
 LEVEL NUCLEAR
 EXPLOSIONS (U), 11 P., (U)
 .block
 20134
 .endblock
 .block
 copy: 1 id: 53175-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 20196
 AUTH: PETERSON J.D. ; BENNETT W.P.
 CLSS: U
 CONN: W 7405 ENG 48
 CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
 DATE: 6101
 DESC: Nuclear Weapon Effects materials not systems associated
 L1 ROCK
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 DESC: EXPERIMENTAL

EFFT: THERMAL
REPN: UCRL 6251
SHOT: NEPTUNE
TSHO: UG-CONTAINED
SUJO: 2-223-200 ; 3-240-000
TITL: RADIATION AND TEMPERATURE MEASUREMENTS OF THE NEPTUNE
EVENT (U), 50
P., (U)

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20196
.endblock

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copy: 1 id: 53219-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20247
CLSS: SRD CNWDI
CORP: ARMY COMMAND, CONTINENTAL (FT. BLISS, TX.)
DATE: 6010
DESC: SUMMARY
DESC: Nuclear Weapon Effects ordnance bombs mines warheads
nuclear L1
EFFT: NEUTRON
REPN: OSWD 59 4
SOCE: MK-5 ; MK-6 ; MK-7 ; MK-12 ; MK-40 ; MK-19 ; MK-33 ;
MK-31 ; XW-45 ;
XW-30
SUJO: 3-161-100
TEMP: A8155
TITL: RADIATION EFFECTS OF ONE NUCLEAR EXPLOSION ON A SECOND
NUCLEAR
WEAPON; VOL. 1 (U), 53 P., (SRD CNWDI)

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20247
.endblock

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copy: 1 id: 53253-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20256
CLSS: U
CORP: FEDERAL RADIATION COUNCIL
DATE: 6109
DESC: Nuclear RDT&E Research Program Descriptions biomedical
L1 I-131
RU-226 SR-90 SR-89
DESC: SUMMARY
REPN: FRC 2
SUJO: 4-150-000
TITL: BACKGROUND MATERIAL FOR THE DEVELOPMENT OF RADIATION

(SRD)
TNFF: 8859
.block
19861
.endblock
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copy: 1 id: 52673-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20090
ADNO: 284191
AUTH: HALLMARK W.C.
CLSS: U
CONN: AF 33 (616) 7250
CORP: CHANCE VOUGHT CORP. (DALLAS, TX.)
DATE: 6205
DESC: Nuclear Weapon Effects electronic subsystems computers
memory L1
DESC: test instruments test hardware acceleration measurement
L1
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
MAGNETOSTRUCTIVE DELAY LINE MEMORY MAGNETIC DRUM
DESC: test instruments test hardware pressure stress L1
PRESSURE
TRANSDUCER
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
PULSE AMPLIFIER
DESC: Nuclear Weapon Effects electrical mechanical
non-aircraft engines
non-missile motors L1 SYNCHRO
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network L1 BLOCKING OSCILLATOR IF STRIP FLIP FLOPS
CATHODE FOLLOWERS
ENCODER VOLTAGE DETECTOR POWER CONTRACTOR
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems L1 KLYSTRONS
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 MIXER DIODES GA AS
DIODES SE
RECTIFIER
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CERAMIC
POTENTIOMETERS
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

PROTECTION

STANDARDS (U), 19 P., (U)

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20256

.endblock

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copy: 1 id: 53261-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20266

ABS: This study was conducted to determine the amount and size of

simulated dry fallout particles retained by various Quartermaster

Corps clothing and packaging materials, after field decontamination

procedures are applied. An attempt also was made to correlate

qualitatively the amount retained with surface properties of the

materials. Dry spherical, glass beads in selected size-distribution

groups (14-270 mu, 14-100 mu, and 14-75 mu) were used to simulate

fallout particles from a nuclear detonation. The amount remaining

was measured gravimetrically and visually by optical microscope

after application of three mechanical removal operations. It was

found that materials having entrapping fibers retained the largest

amount of beads. The amount was directly proportional to the number

of open spaces and the number of loose fibers that acted as

entrappers.

ABS: Scrim-back packaging material retained 0.3 g/ft2 of particles which

had an average diameter of 50 mu. Cotton sateen clothing and cotton

poplin clothing had lesser amounts. All other materials tested

retained zero or insignificant amounts. Mechanical entrapment of

particles by the loose fibers appeared to be the principal mechanism

of retention.

AUTH: KAWAHARA F.K.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6203

DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L1
 DESC: SIMULATION (GLASS BEADS) ; EXPERIMENTAL
 REPN: NRDL TR 557
 SUJO: 3-312-210
 TITL: RESIDUAL CONTAMINATION OF QUARTERMASTER CORPS CLOTHING
 AND PACKAGING
 MATERIALS; RETENTION OF SIMULATED DRY FALLOUT PARTICLES
 (U), 29 P.,
 (U)
 .block
 20266
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 copy: 1 id: 53265-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20272
 AUTH: JOHNSON E.R.
 CLSS: U
 CONN: DA 36 039 SC 89148
 CORP: STEVENS INSTITUTE OF TECHNOLOGY (HOBOKEN, N.J.)
 DATE: 6200
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 TUBES
 DESC: BIBLIOGRAPHY
 REPN: SIT 89148 FR
 SUJO: 3-229-000
 TITL: LITERATURE STUDY OF RADIATION EFFECTS ON ELECTRON
 DEVICES;
 SEMIANNUAL REPORT NO. 1, 1 DECEMBER 1961 THROUGH 1 JUNE
 1962 (U), 22
 P., (U)
 TREE: 305
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 20272
 .endblock
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 copy: 1 id: 53270-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20279
 AUTH: DUBININ N.P.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION
 DATE: 6100
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 prompt L5

SENSITIVITY OF CROPS TO GAMMA
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects on animals ionizing radiation L1
 EFFT: GAMMA
 REPN: AEC TR 5376
 SUJO: 3-312-000 ; 3-332-100
 TITL: PROBLEMS OF RADIATION GENETICS (U), 511 P., (U)
 .block
 20279
 .endblock
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 copy: 1 id: 53277-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 20303
 AUTH: SHVEDOV V.P.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION
 DATE: 5900
 DESC: Nuclear Weapon Effects supply food water L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L1
 DESC: SUMMARY
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors L5
 DESC: test instruments nuclear radiation gamma L5
 REPN: AEC TR 4599
 SUJO: 2-223-100 ; 2-225-100 ; 3-171-000 ; 4-341-000 ;
 4-345-000
 TITL: EVALUATION OF THE CONTAMINATION OF THE BIOSPHERE BY
 PRODUCTS OF
 NUCLEAR TESTS (U), 154 P., (U)
 .block
 20303
 .endblock
 .block
 copy: 1 id: 53297-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20304
 AUTH: NISHIWAKI Y.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION
 DATE: 5900
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L1

DESC: Nuclear Weapon Environment fallout intensity contours
patterns L5
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L5
DESC: THEORY
EFFT: GAMMA
REPN: AEC TR 4463
SUJO: 2-225-100 ; 3-312-210 ; 3-540-000
TITL: ON THE METHOD OF ESTIMATION OF THE POPULATION DOSE,
POPULATION, AND
SURFACE AREA COVERED BY THE DIFFUSION OF RADIOACTIVE
CLOUDS (U), 23
P., (U)

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20304

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20305

ABS: It is essential to know the degree of radioactivity of
the external

environment. The solution of this problem involves the
determination

of small concentrations of radioactive substances in
various

objects. Such determinations possess a number of
specific features

and require special methods of investigation. This
monograph

presents in detail the sampling methods, radio-chemical,
physicochemical, and physical methods of determination,
identification, and measurement of the activity both of

total

fission products, and of individual isotopes. Then the
problems of

the composition of artificial radioactive substances
found in the

external environment, their distribution, global
fallout, and

migration are discussed.

ABS: Data are also cited on a dosimetric estimation of the
radioactivity

of the external environment, which depends on the
fission products

of heavy nuclei that fall out from the atmosphere.

AUTH: SHVEDOV V.P. ; SHIROKOV S.I.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION

DATE: 6200

DESC: test instruments nuclear radiation fallout debris

sampling

collectors L5

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L5

DESC: Nuclear Warfare Postattack Recovery USSR L1

DESC: SUMMARY

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L5

REPN: AEC TR 6049

SUJO: 2-223-100 ; 3-312-220 ; 3-449-200 ; 4-345-000

TITL: RADIOACTIVE CONTAMINATION OF THE EXTERNAL ENVIRONMENT

(U), 297 P.,

(U)

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20305

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20314

ADNO: 265925

AUTH: CURCIO J.A. ; KNESTRICK G.L. ; COSDEN T.H. ; DRUMMETER
L.F.

CLSS: U

CORP: NAVAL RESEARCH LAB. (WASH., D.C.)

DATE: 6110

DESC: Radiation Transport visible L1

DESC: SUMMARY

REPN: NRL R 5676

SUJO: 9-630-000

TITL: TRANSMISSION OF LIGHT SIGNALS BEYOND THE HORIZON (U), 24
P., (U)

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20314

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copy: 1 id: 53308-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20325

ABS: In the event of a nuclear attack, the presence of
radioactive

fallout could overshadow the more immediate weapon
effects. Because

of its far-reaching and long-lived characteristics,
fallout from a

single megaton-range detonation could make thousands of
square miles

inaccessible for extended periods of time. The resultant loss of the use of affected but unprotected installations together with their personnel will be, in many cases, militarily unacceptable. Thus, a means is needed for saving those important, manned facilities which escape the damaging effects of blast and heat but are caught within the fallout pattern. A modified form of protective construction is offered as a defense against fallout and its effects. To derive the greatest protective benefits, this concept must be included as an integral part of a radiological defense system.

ABS: By itself, radiologically protective construction is implemented by satisfying one or more of the following objectives: 1. Improving the inherent shelter effectiveness of structures, 2. Minimizing the deposition and retention of fallout, 3. Facilitating the removal of fallout. To this end, a number of protective principles are presented which can be either incorporated into the design of new buildings or applied to existing buildings.

AUTH: OWEN W.L.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6201
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: Civil Defense shelters L1
DESC: Nuclear Warfare Postattack Recovery civilians population L1

DESC: SUMMARY
REPN: NRDL 467
SUJO: 3-442-000 ; 3-448-900 ; 3-474-000
TITL: RADIOLOGICAL PROTECTIVE CONSTRUCTION; PRINCIPLES FOR THE PROTECTION

OF FACILITIES AND THEIR INHABITANTS AGAINST FALLOUT (U),
150 P., (U)

TNFF: 5602
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20325
.endblock
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copy: 1 id: 53314-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20345
 ABS: Potential hazards to military personnel due to residual
 radiation from fall-out are considered. Several theories -the
 relation between genetic effects and the form of radia-amounts of
 radiation resulting from the atomic explosions This paper was previously
 abstracted from the original language and appears in NSA, Vol. 13, as
 abstract No. ACCIDENTS; BLAIR MODEL; CONTAMINATION; FALLOUT;
 IRRADIATION; MAN;
 PERSONNEL; RADIATION DOSES; RADIATION INJURIES;
 RADIOBIOLOGY;
 RECOVERY; SHELTERS; SHIELDING
 AUTH: SHAPIRO E.
 CLSS: U
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 6005
 DESC: THEORY
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic external L1
 EFFT: GAMMA
 REPN: NRDL TR 421
 SUJO: 3-312-210
 TITL: OPERATIONAL SIGNIFICANCE OF BIOLOGICAL RECOVERY FROM
 CHRONIC IRRADIATION--A COMPARISON OF SEVERAL RECOVERY THEORIES
 (U), 46 P.,
 (U)
 .block
 20345
 .endblock
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 copy: 1 id: 53334-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20351
 AUTH: PIONTKOVSKOGO I.A.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION
 DATE: 6100
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic external L1
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 EFFT: NEUTRON ; GAMMA
 REPN: AEC TR 5553

SUJO: 3-312-100 ; 3-312-210
TITL: EFFECTS OF IONIZING RADIATION ON THE FUNCTIONS OF THE
HIGHER NERVOUS
SYSTEM OF PROGENY (U), 222 P., (U)

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20351

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copy: 1 id: 53339-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20355

AUTH: FUNSHTEIN L.V.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION

DATE: 6100

DESC: SUMMARY

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

EFFT: GAMMA

REPN: AEC TR 5630

SUJO: 3-312-000 ; 3-312-220

TITL: ATLAS ON THE PATHOLOGICAL ANATOMY OF ACUTE RADIATION
SICKNESS IN

EXPERIMENT (U), 220 P., (U)

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copy: 1 id: 53343-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20356

AUTH: IVANOV A.E.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION

DATE: 6100

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: SUMMARY

REPN: AEC TR 5500

SUJO: 3-312-220

TITL: PATHOANATOMICAL RADIATION-INDUCED CHANGES IN LUNGS (U),
119 P., (U)

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copy: 1 id: 53344-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20555
AUTH: STROPE W.E. ; PORTEOUS L.G. ; GREIG A.L.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 5910
DESC: Civil Defense shelters L1
DESC: Civil Defense economic considerations cost analysis L1
DESC: SUMMARY
REPN: NRDL TR 366
SUJO: 3-474-000 ; 3-478-000
TITL: SPECIFICATIONS AND COSTS OF A STANDARDIZED SERIES OF
FALLOUT
SHELTERS (U), CA. 150 P., (U)

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20555
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20560
CLSS: U
CORP: ARMY CORPS OF ENGINEERS
DATE: 6101
DESC: Nuclear Weapon Effects structures aboveground components
L1
DESC: Civil Defense shelters L5
EFFT: GAMMA ; BETA
REPN: TM 5 855 2 ; EM 1110 345 461
SUJO: 3-251-100 ; 3-474-000
TITL: PROTECTION AGAINST CHEMICAL AND BIOLOGICAL AGENTS AND
RADIOLOGICAL
FALLOUT (U), 72 P., (U)

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20560
.endblock

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copy: 1 id: 53516-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20573
ABS: Facilities escaping physical damage from a nuclear
attack still may
have to cope with hazardous amounts of fallout material.

The survival of personnel and the resumption of vital missions could depend upon the timely removal of the fallout deposits. The safe performance of such a removal effort is possible only if a detailed radiological recovery plan exists before attack. Two closely similar experiments were conducted on the operational recovery of an artificially contaminated land target complex. In each case a suitable recovery plan was formulated and then executed. The results showed that, within prescribed dose limits, pre-attack planning of a radiological recovery operation is not only feasible but strongly recommended.

AUTH: OWEN W.L. ; SARTOR J.D.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6205
DESC: EXPERIMENTAL
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: Nuclear Warfare Postattack Recovery cities L1
DESC: Nuclear Weapon Effects structures aboveground cities L5
DESC: Simulation Facilities Techniques nuclear radiation fallout simulation L5

EFFT: FALLOUT
REPN: NRDL TR 570
SUJO: 3-252-000 ; 3-443-000 ; 3-448-900 ; 4-242-000
TITL: RADIOLOGICAL RECOVERY OF LAND TARGET COMPONENTS--COMPLEX I AND COMPLEX II (U), 220 P., (U)
TNFF: 6220

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copy: 1 id: 53527-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20581
AUTH: FRY R.M.
CLSS: U
CORP: ATOMIC ENERGY RESEARCH ESTABLISHMENT (HARWELL, BERKSHIRE)
DATE: 5900
DESC: Nuclear Energy Power Nuclear Materials waste disposal L5

DESC: THEORY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
LA: UK
REPN: AERE HP/R 2788
SUJO: 3-312-220 ; 3-530-000
TITL: BIOLOGICAL HAZARD OF TRITIUM WITH SPECIAL REFERENCE TO
DIDO (U), 25
P., (U)

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copy: 1 id: 53535-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20590
AUTH: TOMNOVEC F.M. ; MATHER R.L.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6004
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1

IRRADIATED NTS SOIL

DESC: SIMULATION (CYCLOTRON) ; EXPERIMENTAL

DESC: Cross Sections neutron L1 SOIL

REPN: NRDL TR 413

SUJO: 2-223-200 ; 9-820-000

TITL: INFLUENCE OF SOIL COMPOSITION ON THE THERMAL NEUTRON
COMPONENT OF
LARGE SCALE NEUTRON FIELDS (U), 39 P., (U)

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20590

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copy: 1 id: 53544-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20662
AUTH: TIUNOV L.A. ; VASIL'EV G.A. ; PARIBOK V.P.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION
DATE: 6100
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
CHEMOPROTECTION
DESC: SUMMARY
REPN: AEC TR 5241
SUJO: 3-312-000
TITL: RADIATION PROTECTION HANDBOOK (U), 254 P., (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20722
AUTH: ZIGMAN P. ; MACKIN J.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6002
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
REPN: NRDL TR 400
SUJO: 2-223-100
TITL: EARLY TIME DECAY OF FISSION PRODUCT MIXTURES. II, GAMMA
ENERGY
RELEASE AND IONIZATION RATES FOLLOWING THERMAL NEUTRON
FISSION OF U
235 (U), 13 P., (U)

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20722
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copy: 1 id: 53673-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20731
CLSS: U
CORP: ARMY SIGNAL RESEARCH AND DEVELOPMENT LAB. (FT. MONMOUTH,
N.J.)
DATE: 5903
DESC: DOSIMETERS DOSE-RATE METERS COUNTERS CALIBRATION TEST
EQUIPMENT ;
EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions biomedical
L1
DESC: test instruments biomedical L1
DESC: test instruments nuclear radiation dosimeters radiacs L1
SUJO: 4-150-000 ; 4-346-000 ; 4-351-000
TITL: PRINCIPAL TECHNICAL CHARACTERISTICS OF ARMY RADIAC
EQUIPMENT (U), 74
P., (U)
TREE: 651
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20731
.endblock
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copy: 1 id: 53681-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20775
AUTH: LESHCHINSKII N.I.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION
DATE: 6200
DESC: Nuclear Weapon Effects on animals ionizing radiation L5
DESC: Nuclear Energy Power Nuclear Materials Facilities
security safety
handling transport safeguards L1 RUSSIAN RULES

DESC: SUMMARY
REPN: AEC TR 6315
SUJO: 3-312-000 ; 3-520-000
TITL: TRANSPORTATION OF RADIOACTIVE MATERIALS (U), 240 P., (U)

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copy: 1 id: 53719-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20793
AUTH: ALLEN F.J. ; FUTTERER A.T.
CLSS: U
CORP: ARMY BALLISTIC RESEARCH LABS. (ABERDEEN PROVING GROUND,
MD.)
DATE: 6207
DESC: Cross Sections neutron L1 POLYETHYLENE
DESC: TABULAR
REPN: BRL MR 1424
SUJO: 9-820-000
TITL: LIGHTWEIGHT, RADIOLOGICAL SHIELDING MATERIALS FOR
ARMORED VEHICLES
(U), 28 P., (U)

TREE: , 412

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20793

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copy: 1 id: 53738-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20958
AUTH: MALIK J.
CLSS: SRD CNWDI
CONN: W 7405 ENG 36

CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, N.M.)
 DATE: 6208
 DESC: Nuclear Weapon Environment Initial Gamma L1
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear weapon test yield L1
 EMPF: 240
 REPN: LA 1620
 TSHO: SURFACE ; LOW-ALT
 SUJO: 1-700-000 ; 4-835-000
 TEMP: A8481
 TITL: SUMMARY OF INFORMATION ON GAMMA RADIATION FROM ATOMIC
 WEAPONS (U),
 240 P., (SRD CNWDI)
 TREE: 910
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 20958
 .endblock
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 copy: 1 id: 53856-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 21187
 AUTH: BOTH E.
 CLSS: U
 CORP: ARMY ELECTRONICS TECHNOLOGY AND DEVICES LAB. (FT.
 MONMOUTH, N.J.)
 DATE: 6000
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 CAPACITOR
 DESC: SIMULATION (CO 60) ; EXPERIMENTAL
 EFFT: TREE
 SUJO: 3-229-000
 TITL: THERMAL AND RADIATION POLARIZATION IN ORGANIC DIELECTRIC
 FILMS (U),
 7 P., (U)
 TREE: 370
 .block
 21187
 .endblock
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 copy: 1 id: 53998-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 21196
 AUTH: IKRATH K.
 CLSS: U
 CORP: ARMY SIGNAL RESEARCH AND DEVELOPMENT LAB. (FT. MONMOUTH,
 N.J.)
 DATE: 6200

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 EFFT: TREE
 SUJO: 3-231-000
 TITL: NUCLEAR PULSE EFFECTS IN CABLES; A THEORETICAL MODEL FOR
 TRANSIENT
 RADIATION EFFECTS IN WIRES AND CABLES (U), CA. 40 P.,
 (U)
 TREE: 390
 .block
 21196
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 copy: 1 id: 54005-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 21198
 CLSS: U
 CORP: BOEING CO. (SEATTLE, WA.)
 DATE: 6200
 DESC: Nuclear Weapon Effects materials metals alloys L1 CU U
 AL PB
 DESC: Radiation Transport x-ray L1
 DESC: SIMULATION (REACTOR FLASH X-RAY) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts materials
 basic
 mechanisms L1 SI GE
 DESC: Nuclear Weapon Effects materials carbon L1
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 CAPACITORS
 DESC: Nuclear Weapon Effects materials plastics resins L1
 POLYETHYLENE
 LUCITE
 DESC: Radiation Transport neutron L1
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 DIODE SCR
 EFFT: TREE
 REPN: D2 9878 3
 SUJO: 3-220-200 ; 3-221-000 ; 3-229-000 ; 3-231-000 ;
 3-243-000 ;
 3-244-000 ; 3-248-000 ; 9-640-000 ; 9-650-000
 TITL: CONTRIBUTIONS TO THE STATE-OF-THE-ART OF TRANSIENT
 RADIATION EFFECTS
 IN ELECTRONIC PARTS AND MATERIALS; VOL. 2 (U), 255 P.,
 (U)
 TREE: 310 ; 370 ; 200
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21198
.endblock
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copy: 1 id: 54007-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22164
CLSS: U
CONN: AF 33 616 5464
CORP: ADMIRAL CORP., GOVERNMENT LABS. DIV. (CHICAGO, IL)
DATE: 5902
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Effects electrical mechanical power
generation L1
TRANSFORMERS
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials fuels lubricants L1 P
264
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS
CAPACITORS
DIELECTRICS
DESC: Nuclear Weapon Effects electrical mechanical
non-aircraft engines
non-missile motors L1
EFFT: NETURON ; GAMMA ; TREE
REPN: SCI REPT. 4
SUJO: 3-225-000 ; 3-229-000 ; 3-231-000 ; 3-232-000 ;
3-233-000 ;
3-238-000
TITL: EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS;
PHASE 2,
SCIENTIFIC REPORT NO. 4 (U), 270 P., (U)
TREE: 370 ; 380 ; 385 ; 390 ; 389

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22164
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copy: 1 id: 54662-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22165
CLSS: U
CONN: AF 33 616 5464
CORP: ADMIRAL CORP., GOVERNMENT LABS. DIV. (CHICAGO, IL)
DATE: 5905

DESC: Nuclear Weapon Effects electrical mechanical power generation L5

DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability

L1

DESC: TABULAR

REPN: SCI REPT. 5

SUJO: 3-232-000 ; 4-170-000

TITL: EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS;
PHASE 2,

SCIENTIFIC REPORT NO. 5 (U), 37 P., (U)

TREE: 389 ; 642

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22165

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22166

CLSS: U

CONN: AF 33 616 5464

CORP: ADMIRAL CORP., GOVERNMENT LABS. DIV. (CHICAGO, IL)

DATE: 5908

DESC: Nuclear Weapon Effects electrical mechanical non-aircraft engines

non-missile motors L1

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 RESISTORS

CAPACITORS

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: SCI REPT. 6

SUJO: 3-229-000 ; 3-233-000

TITL: EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS;
PHASE 2,

SCIENTIFIC REPORT NO. 6 (U), 75 P., (U)

TREE: 389 ; 380 ; 370

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22166

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created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22167

CLSS: U

CONN: AF 33 616 5464

CORP: ADMIRAL CORP., GOVERNMENT LABS. DIV. (CHICAGO, IL)

DATE: 6002
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 RESISTORS
 CAPACITORS
 DESC: SIMULATION (CO 60) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical power
 generation L1
 DESC: Nuclear Weapon Effects electrical mechanical
 non-aircraft engines
 non-missile motors L1
 EFFT: TREE
 REPN: SCI REPT. 8
 SUJO: 3-229-000 ; 3-232-000 ; 3-233-000
 TITL: EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS;
 PHASE 2,
 SCIENTIFIC REPORT NO. 8 (U), 82 P., (U)
 TREE: 389 ; 380 ; 370
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 22167
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 copy: 1 id: 54665-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 22354
 AUTH: LANDRY J.W.
 CLSS: U
 CONN: W 7405 ENG 26
 CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN)
 DATE: 6007
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors L1
 DESC: MICE PROGRAM ; EXPERIMENTAL
 REPN: ORNL 2881
 SHOT: TAMALPAIS
 TSHO: UG-CONTAINED
 SUJO: 4-345-000
 TITL: OAK RIDGE NATIONAL LABORATORY SAMPLER FOR THE TAMALPAIS
 UNDERGROUND
 NUCLEAR DETONATION EXPERIMENT (U), 20 P., (U)
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 22354
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 copy: 1 id: 54835-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 22407

AUTH: SCHULERT A.R. ; KULP J.L. ; HIRSHMAN R.S. ; HODGES E.J.
; BARTELSEN

K. ; MCFADDEN H. ; SOLAZZI M. ; MARTIN E.

CLSS: U

CONN: AT (30 1) 1656

CORP: COLUMBIA UNIVERSITY (PALISADES, NY)

DATE: 6010

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1

DESC: EXPERIMENTAL

REPN: NYO 9466

SUJO: 3-312-220 ; 3-332-220

TITL: DISPOSITION OF NUCLEAR FALLOUT DEBRIS; ANNUAL REPORT
(U), 78 P., (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 22413

AUTH: BATZEL R.E.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)

DATE: 5906

DESC: THEORY

DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L1

DESC: Nuclear Weapon Environment fallout fractionation L5

REPN: UCRL 5623

TSHO: UG-VENTED ; UG-CONTAINED

SUJO: 2-223-410 ; 2-223-500

TITL: RADIOACTIVITY ASSOCIATED WITH UNDERGROUND NUCLEAR
EXPLOSIONS (U), 14
P., (U)

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22413

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created: 12/27/1991 type: REPORT permanent

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INUM: 22427

AUTH: BENNETT W.P. ; ANDERSON A.L. ; SMITH B.L.

CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (MERCURY, NV)
DATE: 6012
DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence
transitions L1
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1
DESC: Nuclear weapon test yield L9
DESC: EXPERIMENTAL
REPN: UCRL 6240
SHOT: LOGAN
TSHO: UG-CONTAINED
SUJO: 2-223-200 ; 2-629-000 ; 4-835-000
TITL: CAVITY DEFINITION, RADIATION AND TEMPERATURE
DISTRIBUTIONS RESULTING
FROM THE LOGAN EVENT (U), 55 P., (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 22440
AUTH: PFAFF E.R.
CLSS: U
CONN: AF 33 616 5464
CORP: ADMIRAL CORP. (CHICAGO, IL)
DATE: 5911
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical power
generation L1
TRANSFORMERS
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: ADM ENREC PH 2 SR 7
SUJO: 3-221-000 ; 3-231-000 ; 3-232-000
TITL: EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS;
PHASE 2 (U),
126 P., (U)
TREE: 389 ; 310 ; 390

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22440

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22516
AUTH: EASLEY J.W.
CLSS: U
CORP: SANDIA CORP.
DATE: 6207
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1
EFFT: TREE
REPN: SCR 532
SUJO: 3-221-000
TITL: RADIATION DAMAGE TO SEMICONDUCTOR DEVICES (U), 36 P.,
(U)
TREE: 310

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22568
AUTH: BAUMSTARK J. ; TORGESON L. ; STERN S. ; SCHEKMAN A. ;
ZELLER W.
CLSS: U
CONN: AT (11 1) 401
CORP: GENERAL MILLS, INC. (MINNEAPOLIS, MN)
DATE: 5905
DESC: test instruments nuclear radiation fallout debris
sampling

collectors L1
DESC: EXPERIMENTAL
SUJO: 4-345-000
TITL: UPPER ATMOSPHERE MONITORING PROGRAM; SIXTH PROGRESS
REPORT (U), 32
P., (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22599
ABS: This report describes present and future systems which

utilize nuclear power? points out anticipated problems in the
testing and operational employment phases of these systems?
discusses the effects of recovery environment such as water, land,
terrain features, atmosphere, and space on nuclear systems?
outlines present responsibilities and capabilities of Air Force agencies
with regard to explosive ordnance disposal (EOD), search, rescue,
and recovery? and discusses concepts of present methods of recovering
radioactive material and their potential future applications. It is
concluded that radioactive material recovery concepts must be
formulated for each individual system and that detailed information is
required in many associated areas before these concepts can be fully
exploited.

ABS: These areas include fission product dispersion
phenomena, nuclear and/or solar radiation definition, countermeasures,
shielding requirements, materials, search and recovery techniques,
instrumentation, remote handling equipment capabilities,
and human factors.

AUTH: WONG E.D.
CLSS: SRD
CORP: AIR FORCE SPECIAL WEAPONS CENTER (KIRTLAND AFB, NM)
DATE: 6201
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: Nuclear weapon safety radiological L5
DESC: BIBLIOGRAPHY SURVEY
DESC: Nuclear Energy Power Nuclear Materials Facilities
security safety
handling transport safeguards L1

REPN: AFSWC TDR 61 73
SUJO: 3-520-000 ; 3-540-000 ; 4-838-100
TEMP: A7989
TITL: RADIOACTIVE MATERIAL RECOVERY CONCEPTS (U), 164 P.,
(SRD)
TNFF: 8859
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copy: 1 id: 55117-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 22635
CLSS: U
CORP: DEPT. OF HEALTH, EDUCATION AND WELFARE (WASH., DC)
DATE: 6101
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
DESC: EXPERIMENTAL
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake
L1
REPN: PB 161371 10
SUJO: 3-312-220 ; 3-332-220 ; 3-540-000
TITL: RADIOLOGICAL HEALTH DATA; VOL. 2, NO. 1; QUARTERLY
REPORT (U), 60
P., (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22636
CLSS: U
CORP: DEPT. OF HEALTH, EDUCATION AND WELFARE (WASH., DC)
DATE: 6007
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal L1
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake
L1
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
REPN: PB 161371 4
SUJO: 3-312-220 ; 3-332-220 ; 3-540-000
TITL: RADIOLOGICAL HEALTH DATA; VOL. 1, NO. 4, QUARTERLY
REPORT (U), 112
P., (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 22658
AUTH: LAUMETS E. ; KSANDA C.F.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 5903
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1
DESC: Cross Sections gamma L1 SHIP SHIELDING STEEL
REPN: NRDL TR 308
TSHO: SURFACE
SUJO: 2-223-200 ; 9-830-000
TEMP: A8115
TITL: TECHNIQUE FOR ESTIMATING GAMMA-DOSE-RATE SPECTRA FROM
FIELD
ATTENUATION MEASUREMENTS AND COMPARISON OF RESULTS FOR
OPERATION
CASTLE (U), 123 P., (SRD)

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22658
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copy: 1 id: 55165-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22730
ABS: The nature of fallout from nuclear detonations on or in
seawater is described in qualitative terms in order to interrelate
the anticipated effects of weapon type, depth of burst, and
weapon yield with respect to the contaminating potential of such
detonations to ships and on the effectiveness of shipboard manual
decontamination methods. Data on the decontamination of surfaces
contaminated by fallout from Castle were analyzed? the analysis shows
that the results are in reasonable agreement when the amount of
contamination lost due to rain prior to application of the methods is
accounted for. Data requirements for conducting field-test
decontamination investigations are given, along with methods for
interpreting decontamination data for seawater fallout.

AUTH: MILLER C.F.
CLSS: SFRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 5905
DESC: EXPERIMENTAL
DESC: Nuclear Warfare Postattack Recovery decontamination L1
REPN: NRDL TR 329
TSHO: UW
SUJO: 3-448-900
TEMP: A8124
TITL: DECONTAMINATION OF SURFACES CONTAMINATED WITH FALLOUT
FROM NUCLEAR

DETONATIONS AT SEA (U), 52 P., (SFRD)
TNFF: 6220
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22730
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created: 12/27/1991 type: REPORT permanent
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INUM: 22759
CLSS: U
CORP: ATOMIC ENERGY COMMISSION (WASH., DC)
DATE: 6202
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1
DESC: SUMMARY
REPN: TID 7632 BK. 1
SUJO: 4-140-000
TITL: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE HELD IN GERMANTOWN, MARYLAND, NOVEMBER 15-17,
1961; VOL.
1 (U), 270 P., (U)

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copy: 1 id: 55256-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22759-004
AUTH: LARSON K.H. ; HAWTHORNE H.A. ; OLAFSON J.H.
CLSS: U
CORP: UNIVERSITY OF CALIFORNIA AT LOS ANGELES (LOS ANGELES,
CA)
DATE: 6202
DESC: Nuclear Weapon Environment fallout fractionation L5

DESC: EXPERIMENTAL SUMMARY
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 DESC: Nuclear Weapon Environment fallout down fraction L1
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 chronic uptake
 L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L1
 DESC: Nuclear Weapon Environment Fallout Particles size
 distribution L1
 SHOT: FIZEAU ; GALILEO ; BOLTZMANN ; SHASTA ; DIABLO ; WHITNEY
 ; SMOKY ;
 WILSON ; NEWTON ; PRISCILLA ; HOOD
 TSHO: LOW-ALT
 SUJO: 2-222-300 ; 2-223-100 ; 2-223-500 ; 2-225-100 ;
 2-225-200 ;
 3-312-220 ; 3-332-220
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
 PROCEEDINGS OF A
 CONFERENCE, VOL. 1
 TITL: NEVADA TEST SITE FALLOUT; SOME CHARACTERISTICS, ITS
 APPARENT
 ENVIRONMENTAL EQUILIBRIUM AND BIOLOGICAL AVAILABILITY
 (U), 21 P.,
 (U)
 .block
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 copy: 1 id: 55257-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 22759-025
 ABS: A description is presented of a combination of A. D.
 Anderson's
 Dynamic Fallout Model (NRDL-D Model) with C. F. Miller's
 thermodynamic model of fractionation which is used to
 account for
 fractionation in fall-out predictions. Weaknesses of the
 method are
 pointed out. Data required for testing the model, both
 from
 laboratory experiments and nuclear detonations, and for
 achieving
 more meaningful documentation of future nuclear bursts,
 are
 discussed. (auth) DISTRIBUTION; FALLOUT; FISSION;
 FRACTIONATION;

LABORATORY EQUIPMENT; NUCLEAR EXPLOSIONS; TESTING;
THERMODYNAMICS

AUTH: FREILING E.C.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6202

DESC: Nuclear Weapon Environment fallout fractionation L1

DESCRIPTION OF

MILLER MODEL

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L5

DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity L5

DESC: Nuclear Weapon Environment Fallout Formation mechanics
L1

DESC: THEORY SUMMARY

DESC: Nuclear Weapon Environment fallout transport L1 NRDL-D
MODEL

DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1

SUJO: 1-210-000 ; 2-110-000 ; 2-221-000 ; 2-223-500 ;
2-224-200 ;

2-225-100

SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A

CONFERENCE, VOL. 1

TITL: FRACTIONATION IN SURFACE BURSTS (U), 22 P., (U)

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22759-025

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created: 12/27/1991 type: REPORT permanent

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INUM: 22759-047

AUTH: FREILING E.C.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6202

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1

DESC: Nuclear Weapon Environment Fallout Formation mechanics
L1

DESC: Nuclear Weapon Environment fallout fractionation L1

DESC: THOERY

TSHO: LOW-ALT

SUJO: 2-221-000 ; 2-223-100 ; 2-223-500

SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A

CONFERENCE, VOL. 1

TITL: PARTICLE FORMATION AND FRACTIONATION IN AIR BURSTS (U),

13 P., (U)

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22759-047

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22759-122

ABS: Limitations in the construction of fall-out models imposed by the scarcity of available fall-out data are discussed. The effects of wind shear and speed and shielding factors on the accuracy of fall-out predictions are considered. It is pointed out that conclusions drawn from nuclear test data must be applied with caution to burst conditions likely to be encountered in a nuclear attack. Fallout predictions based on several models currently in use are compared. It is shown that the various models give very different results. It is pointed out that wind conditions can drastically affect the dose-distance relationship as well as the orientation and shape of the pattern. These differences may be quite important in the critical range from about 200 to 700 r where relatively small changes in dose result in large changes in the fatality estimates.

ABS: On a national scale, the additive effects of hundreds of nuclear bursts during a nuclear attack would further complicate the accuracy of fall-out predictions. (C.H.) CONFIGURATION; DISTRIBUTION; EFFICIENCY; ENVIRONMENT; FALLOUT; NUCLEAR EXPLOSIONS; RADIATION DOSES; RADIATION EFFECTS; SHIELDING; STANDARDS; USES; VELOCITY; WIND

AUTH: FERBER G.J. ; HEFFTER J.L.

CLSS: U

CORP: U.S. WEATHER BUREAU (WASH., DC)

DATE: 6202

DESC: Nuclear Weapon Environment fallout down fraction L1

DESC: Nuclear Weapon Environment fallout intensity contours

patterns L1

MODEL COMPARISON
DESC: SUMMARY
SUJO: 2-225-100 ; 2-225-200
SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 1
TITL: COMPARISON OF FALLOUT MODEL PREDICTIONS WITH A
CONSIDERATION OF WIND
EFFECTS (U), 14 P., (U)

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22759-122

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created: 12/27/1991 type: REPORT permanent

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INUM: 22759-223

ABS: Brief summaries are presented from a series of
geochemical studies
on stratospheric fall-out. A time interval of 10/sup 8/
years
between the cessation of nucleosynthesis and the
formation of the
earth was calculated, assuming that the extinct Pu/sup
244/ was
mainly responsible for the production of excess xenon
isotopes in
the earth's atmosphere. Other sources of atmospheric
xenon are
discussed. Experimental results support the
Brewer-Dobson model of
global circulation of air masses. A pronounced peak of
fall-out rate
during the spring months was attributed to an increase
in the rate
of material transfer from the stratosphere to the
troposphere,
caused by the sinking of cold air masses formed above
the winter
pole during the late winter months.

ABS: The effects of seasonal and global movements of
stratospheric air
masses on spring peaks of Sr/sup 90/ fall-out and the
stratospheric
iesidence time of Sr/sup 90/ and Ce/sup 144/ are
discussed. Factors
contributing to a sharp increase in the Sr/sup 90/Sr/sup
90/ ratio
in rain at Fayetteville, Arkansas, aftei the French
nuclear
detonations of Feb. and April 1960 are discussed. (C.H.)

AGE
 ESTIMATION; AIR; ARKANSAS; ATMOSPHERE; CERIUM 144;
 EARTH;
 EFFICIENCY; FALLOUT; GEOCHEMISTRY; GEOPHYSICS; MASS;
 MATHEMATICS;
 METEOROLOGY; NUCLEAR EXPLOSIONS; PLUTONIUM 244; QUANTITY
 RATIO;
 RADIOISOTOPES; RAIN; SEASONS; STRATOSPHERE; STRONTIUM
 89; STRONTIUM
 90; XENON
 AUTH: KURODA P.K. ; HODGES H.L. ; MENON M.P. ; MO T. ; NIX J.
 ; FRY L.M. ;
 MOORE H.E.
 CLSS: U
 CORP: UNIVERSITY OF ARKANSAS (FAYETTEVILLE, AR)
 DATE: 6202
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Environment radiation decay beta decay L5
 SUJO: 2-223-100 ; 2-223-430
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
 PROCEEDINGS OF A
 CONFERENCE, VOL. 1
 TITL: GEOCHEMICAL STUDIES ON THE STRATOSPHERIC FALLOUT (U), 19
 P., (U)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 22760-271
 AUTH: COLLINS W.R. JR.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION (NEW YORK, NY)
 DATE: 6202
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: SUMMARY
 SUJO: 2-223-100
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
 PROCEEDINGS OF A
 CONFERENCE, VOL. 2
 TITL: MEASURED AND PREDICTED CONTRIBUTIONS FROM FALLOUT TO
 ENVIRONMENTAL
 RADIATION LEVELS (U), 15 P., (U)
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 copy: 1 id: 55274-1001 library: DOCUMENT price: \$.00

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created: 12/27/1991 type: REPORT permanent
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INUM: 22760-318
ABS: The impact of radioactivity on the biological or ecological systems that comprise the biosphere is discussed from the standpoint of effects on man's well being and economy. Major pathways of transfer of mineral nutrients and radioisotopes between compartments in a forest ecosystem are outlined. It is pointed out that cycling of nuclides in complicated ecological systems involves both rate processes and transfer mechanisms. Data are summarized from a number of studies on ecological factors that affect the initial distribution of radioactive contamination in the biosphere, its subsequent circulation and accumulation, its ultimate fate, effects of radiation from radionuclides on natural ecosystems, and transfer of radionuclides through food chains to man.
ABS: It is stressed that the understanding of the biogeochemistry of natural major and minor elements in ecosystems is closely related to the interpretation of the movement of radioactive contaminants through these systems. The possibility of such contamination arising from radioactive waste disposal, weapons fall-out, or nuclear war, leads to the need for mathematical models of conditions that could predict the extent and time scale of such contamination.
(C.H.) BIOCHEMISTRY; BIOLOGY; CONTAMINATION; DIFFUSION; DISTRIBUTION; EARTH; ECONOMICS; ELEMENTS; ENVIRONMENT; FALLOUT; FOOD; MAN; MATHEMATICS; NUCLEAR EXPLOSIONS; QUANTITY RATIO; RADIATION EFFECTS; RADIOACTIVITY; RADIOISOTOPES; STANDARDS; WASTE DISPOSAL
AUTH: AUERBACH S.I.
CLSS: U
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN)
DATE: 6202
DESC: Nuclear Weapon Effects ecological L1
DESC: SUMMARY

SUJO: 3-341-000
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
 PROCEEDINGS OF A
 CONFERENCE, VOL. 2
 TITL: SUMMARY OF SESSION, FIRST NATIONAL SYMPOSIUM ON
 RADIOECOLOGY 1961,
 CYCLING IN THE TERRESTRIAL ENVIRONMENT (U), 30 P., (U)
 .block
 22760-318
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 copy: 1 id: 55278-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 22760-376
 AUTH: GRUMMITT W.E.
 CLSS: U
 CORP: ATOMIC ENERGY OF CANADA LIMITED (CHALK RIVER, ONTARIO,
 CANADA)
 DATE: 6202
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 SUJO: 3-312-220
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
 PROCEEDINGS OF A
 CONFERENCE, VOL. 2
 TITL: STRONTIUM AND BARIUM IN BONE AND DIET (U), 5 P., (U)
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 22760-376
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22760-381
 AUTH: KNAPP H.A.
 CLSS: U
 CORP: ATOMIC ENERGY COMMISSION (WASH., DC)
 DATE: 6202
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 DESC: Nuclear Weapon Effects supply food water L5
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 chronic L1
 SUJO: 3-171-000 ; 3-312-220 ; 3-332-200
 SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;

PROCEEDINGS OF A

CONFERENCE, VOL. 2

TITL: EFFECT OF DEPOSITION RATE AND CUMULATIVE SOIL LEVEL ON
THE

CONCENTRATION OF STRONTIUM-90 IN U.S. MILK AND FOOD
SUPPLIES (U), 24

P., (U)

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22760-381

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created: 12/27/1991 type: REPORT permanent

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INUM: 22760-405

AUTH: RIVERA J.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION (NEW YORK, NY)

DATE: 6202

DESC: Nuclear Weapon Effects supply food water L5

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L5

DESC: SUMMARY

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

SUJO: 2-223-100 ; 3-171-000 ; 3-312-220

SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A

CONFERENCE, VOL. 2

TITL: STRONTIUM-90 IN NEW YORK CITY AND SAN FRANCISCO DIETS
RESULTING FROM

THE OCTOBER 1961 SOVIET TEST SERIES (U), 10 P., (U)

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22760-405

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22760-415

AUTH: BIRD P.M. ; MAR P.G. ; JOSIE G.H. ; HOBSON F.E.

CLSS: U

CORP: DEPARTMENT OF NATIONAL HEALTH AND WELFARE (OTTAWA,
CANADA)

DATE: 6202

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: Nuclear Weapon Effects supply food water L1

DESC: SUMMARY
SUJO: 3-171-000 ; 3-312-220
SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 2

TITL: INVESTIGATION OF THE REPRESENTATIVENESS OF
'GRAB-SAMPLING? IN A SR
90 DRIED MILK PROGRAM PRELIMINARY RESULTS (U), 10 P.,

(U)

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22760-415

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22760-425

AUTH: LOUTIT J.F.

CLSS: U

CORP: MEDICAL RESEARCH COUNCIL (HARWELL, ENGLAND)

DATE: 6202

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: SUMMARY

SUJO: 3-312-220

SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 2

TITL: ACCRETION AND REPLACEMENT OF SKELETAL MINERAL DEDUCED
FROM SURVEY IN
THE UNITED KINGDOM OF BONES FOR SR 90 (U), 1 P., (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 22760-426

AUTH: COMAR C.L. ; WASSERMAN R.H. ; LENGEMANN F.W. ; THOMPSON
J.C. JR.

CLSS: U

CORP: CORNELL UNIVERSITY (ITHACA, NY)

DATE: 6202

DESC: SUMMARY

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: Nuclear Weapon Effects on plants ionizing radiation

chronic L1

DESC: Nuclear Weapon Effects supply food water L1
SUJO: 3-171-000 ; 3-312-220 ; 3-332-200
SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 2
TITL: FALLOUT AND THE FOOD CHAIN; A STATUS REVIEW (U), 31 P.,
(U)
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22760-426
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copy: 1 id: 55286-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22760-457
AUTH: KULP J.L.
CLSS: U
CORP: COLUMBIA UNIVERSITY (PALISADES, NY)
DATE: 6202
DESC: SUMMARY
DESC: Nuclear Weapon Environment fallout transfer L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1
SUJO: 2-224-300 ; 3-312-220
SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 2
TITL: PREDICTION OF THE SR 90 CONCENTRATION IN THE WORLD
POPULATION (U),
20 P., (U)
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22760-457
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copy: 1 id: 55287-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22760-477
AUTH: ANDERSON E.C. ; WARD G.M. ; HOLLAND J.Z. ; LANGHAM W.H.
CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, NM)
DATE: 6202
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1
DESC: Nuclear Weapon Effects supply food water L1
SUJO: 3-171-000 ; 3-312-220

SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS;
PROCEEDINGS OF A
CONFERENCE, VOL. 2

TITL: CESIUM 137 LEVELS IN UNITED STATES POWDERED MILK AND IN
THE

POPULATION (U), 58 P., (U)

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22760-477

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copy: 1 id: 55288-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22819-30

AUTH: WOUTERS L.F. ; BOYRIE E.A. ; HYNE A. ; MCDONALD H.

CLSS: U

CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)

DATE: 5905

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry

general descriptions L1

EMPF: 251

SUJO: 2-311-000

SYMJ: PROCEEDINGS OF THE SECOND PLOWSHARE SYMPOSIUM, PT. 5

TITL: INTERACTION OF MICROWAVE RADIATION WITH IONIZED AIR (U),
14 P., (U)

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22819-30

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22845

AUTH: NORDYKE M.D.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)

DATE: 6110

DESC: Nuclear Energy Peaceful Applications excavation L1

DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1

DESC: Nuclear Weapon Environment Ground Shock scaling L1

REPN: UCRL 6438 PT. 1

SUJO: 2-624-000 ; 2-625-000 ; 3-481-000

TITL: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM; PT. 1 (U), CA. 150 P.,
(U)

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22845
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 22845-E
AUTH: VAILE R.B. JR.
CLSS: U
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK, CA)
DATE: 6110
DESC: Nuclear Weapon Environment Ground Shock scaling L1
PACIFIC CRATERS

AND WET SOIL
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1

DESC: EXPERIMENTAL
SHOT: SUGAR ; UNCLE ; MIKE ; BRAVO ; MALE
TSHO: SURFACE ; WATER-SURFACE
SUJO: 2-624-000 ; 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 1
TITL: PACIFIC CRATERS AND SCALING LAWS (U), 36 P., (U)

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22845-E
.endblock

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copy: 1 id: 55415-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22845-F
AUTH: NORDYKE M.D.
CLSS: U
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 6110
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1

SHOT: SUGAR ; UNCLE ; ESS ; NEPTUNE
TSHO: UG-VENTED
SUJO: 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 1
TITL: NEVADA TEST SITE NUCLEAR CRATERS (U), 14 P., (U)

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22845-F
.endblock
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copy: 1 id: 55416-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22845-G
AUTH: MURPHEY B.F.
CLSS: U
CORP: SANDIA LABS. (ALBUQUERQUE, NM)
DATE: 6110
DESC: SIMULATION (HE)
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture displacement particle velocity L5 PARTICLE VELOCITY
DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress L5 STRESS
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1 EFFECT OF MEDIUM
SHOT: SCOOTER ; STAGECOACH
TSHO: UG-VENTED
SUJO: 2-621-000 ; 2-623-000 ; 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION LABORATORY CRATERING SYMPOSIUM, PT. 1
TITL: EXPLOSION CRATERS IN DESERT ALLUVIUM (U), 13 P., (U)

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22845-G
.endblock
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copy: 1 id: 55417-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22845-H
AUTH: VORTMAN L.J.
CLSS: U
CORP: SANDIA LABS. (ALBUQUERQUE, NM)
DATE: 6110
DESC: SIMULATION (HE) ; EXPERIMENTAL
DESC: Nuclear Weapon Environment dust moisture injection
atmosphere L5 DUST FROM DEEPLY BURIED CHARGES
DESC: Nuclear Weapon Environment Ground Shock scaling L1
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1
SHOT: BUCKBOARD
TSHO: UG-VENTED
SUJO: 2-222-400 ; 2-624-000 ; 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION LABORATORY CRATERING SYMPOSIUM, PT. 1

TITL: HIGH-EXPLOSIVE CRATERS IN TUFF AND BASALT (U), 17 P.,
(U)
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22845-H
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copy: 1 id: 55418-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22845-I
AUTH: VIOLET C.E.
CLSS: U
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 6110
DESC: Nuclear Weapon Environment Ground Shock scaling L1
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1
TSHO: UG-VENTED
SUJO: 2-624-000 ; 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 1
TITL: GENERALIZED EMPIRICAL ANALYSIS OF CRATERING (U), 23 P.,
(U)
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22845-I
.endblock
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copy: 1 id: 55419-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22846
AUTH: NORDYKE M.D.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 6110
REPN: UCRL 6438 PT. 2
TITL: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM; PT. 2 (U), CA. 150 P.,
(U)
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22846
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copy: 1 id: 55420-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22846-J
AUTH: MAENCHEN G. ; NUCKOLLS J.
CLSS: U
CCDE: UNEC ; TENSOR
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 6110
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L5
TSHO: UG-CONTAINED
SUJO: 2-621-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 2
TITL: CALCULATIONS OF UNDERGROUND EXPLOSIONS (U), 6 P., (U)
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22846-J
.endblock
.block
copy: 1 id: 55421-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22846-K
AUTH: NORDYKE M.D.
CLSS: U
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 6110
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1
SHOT: SCOOTER ; NEPTUNE
TSHO: UG-VENTED
SUJO: 2-621-000 ; 2-625-000
SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 2
TITL: PRELIMINARY NOTES ON THE MECHANICS OF EXPLOSIVE CRATER
FORMATION
(U), 27 P., (U)
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22846-K
.endblock
.block
copy: 1 id: 55422-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22846-L

AUTH: BRODE H.L. ; BJORK R.L.
 CLSS: U
 CORP: RAND CORP. (SANTA MONICA, CA)
 DATE: 6110
 DESC: Nuclear Weapon Environment Ground Shock craters
 excavations L1
 DESC: Nuclear Weapon Environment Ground Shock impact pressure
 stress L1
 PRESSURES
 DESC: THEORY
 TSHO: UG-VENTED
 SUJO: 2-623-000 ; 2-625-000
 SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
 RADIATION
 LABORATORY CRATERING SYMPOSIUM, PT. 2
 TITL: CRATERING FROM A MEGATON SURFACE BURST (U), 43 P., (U)
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 22846-L
 .endblock
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 copy: 1 id: 55423-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22846-O
 AUTH: HESS W.N.
 CLSS: U
 CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
 DATE: 6110
 DESC: Nuclear Weapon Environment Ground Shock throwout
 projectiles L1
 DESC: EXPERIMENTAL
 SHOT: SCOOTER
 SUJO: 2-626-000
 SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
 RADIATION
 LABORATORY CRATERING SYMPOSIUM, PT. 2
 TITL: THROWOUT CALCULATIONS (U), 12 P., (U)
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 22846-O
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 copy: 1 id: 55424-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22846-P
 AUTH: VAILE R.B. JR. ; SALMON V.
 CLSS: U
 CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK, CA)
 DATE: 6110
 DESC: Nuclear Weapon Environment Ground Shock throwout

projectiles L1

SHALLOW BURIED BURSTS MISSILES ARE LARGELY PAVEMENT AND
WALLS OF

CONCRETE

SHOT: UNCLE

TSHO: UG-VENTED

SUJO: 2-626-000

SYMJ: PROCEEDINGS OF THE GEOPHYSICAL LABORATORY/LAWRENCE
RADIATION

LABORATORY CRATERING SYMPOSIUM, PT. 2

TITL: EVALUATION OF MISSILE HAZARD, UNDERGROUND SHOT (U), 41
P., (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22878

AUTH: KORANDA J.J. ; MARTIN J.R.

CLSS: U

CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)

DATE: 5907

DESC: PRIMARILY ENVIRONMENTAL IN DISTRIBUTION OF TRITIUM FROM
SEDAN EVENT

; EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1

DESC: Nuclear Weapon Environment fallout redistribution L1

REPN: UCRL 71867 ; CONF 690303 3

SHOT: SEDAN ; CABRIOLET

TSHO: UG-VENTED

SUJO: 2-223-100 ; 2-225-500 ; 3-312-200 ; 3-332-220

TITL: PERSISTENCE OF RADIONUCLIDES AT SITES OF NUCLEAR
DETONATIONS (U), 50

P., (U)

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copy: 1 id: 55448-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 23874

ABS: A general method for determining aircraft safety from the effects of a nuclear explosion is presented. This method, which has evolved from the work of several contributors over a period of time, has been reanalyzed and condensed into one presentation. The weapon effects considered are thermal radiation, gust, overpressure, and nuclear radiation. Discussions of the basic assumptions involved in the calculation method, as well as working curves and sample problems, are included.

AUTH: BUCHLY W.D.

CLSS: SRD

CORP: SANDIA CORP. (ALBUQUERQUE, NM)

DATE: 5908

DESC: THEORY

DESC: Nuclear Weapon Effects flight systems airplanes structures L1

DESC: Nuclear Weapon Environment Airblast height-of-burst HOB L1

DESC: Nuclear Weapon Environment Thermal Output source strength total

intensity L1

EFFT: THERMAL ; AIR-BLAST

REPN: SC 4187 (TR)

SUJO: 1-210-000 ; 2-613-100 ; 3-111-100

TEMP: B1468

TITL: HANDBOOK FOR DETERMINING SAFE AIRCRAFT ESCAPE FROM A NUCLEAR

DETONATION (U), 98 P., (SRD)

TNFF: 5820

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 23885

CLSS: U

CONN: AT (11 1) 745

CORP: ARMOUR RESEARCH FOUNDATION (CHICAGO, IL)

DATE: 6008

DESC: TABULAR

DESC: test instruments nuclear radiation gamma L1

DESC: test instruments x-ray effects L1

REPN: ARF 1152 12

SUJO: 4-330-000 ; 4-341-000

TITL: IMPROVED NUCLEAR MEASURING PRINCIPLE (U), 41 P., (U)
 TREE: 653
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 23885
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 copy: 1 id: 56252-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 23888
 AUTH: MAHONEY J.J.
 CLSS: U
 CORP: ARMY CHEMICAL CORPS NUCLEAR DEFENSE LAB. (ARMY CHEMICAL
 CENTER, MD)
 DATE: 6104
 DESC: Nuclear Weapon Effects on animals thermal burns heating
 L1
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects structures field fortifications
 L1 PERSONNEL
 IN FOXHOLES
 REPN: NDL TR 4
 SUJO: 3-140-000 ; 3-313-100
 TITL: CONTRIBUTION OF SCATTERED RADIATION TO IMMEDIATE THERMAL
 CASUALTIES
 IN OPEN FOXHOLES (U), 42 P., (U)
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 23888
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 copy: 1 id: 56255-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 23898
 AUTH: DOWAN M. JR.
 CLSS: U
 CORP: SANDIA CORP.
 DATE: 6104
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors L1
 DESC: THEORY
 REPN: SCR 296
 SUJO: 4-345-000
 TITL: TECHNIQUE FOR OBTAINING PARTICLE ACTIVITY AND SIZE
 DISTRIBUTIONS
 (U), 12 P., (U)
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 23898
 .endblock

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copy: 1 id: 56265-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 24000
AUTH: SPIELBERG D.
CLSS: SRD
CONN: DA 30 069 ORD 2627
CORP: NUCLEAR DEVELOPMENT CORPORATION OF AMERICA (WHITE
PLAINS, NY)
DATE: 5910
DESC: Cross Sections neutron L1
DESC: Cross Sections gamma L1
DESC: Nuclear Weapon Effects land transport armored vehicles
L1 CREW
DESC: TABULAR
REPN: NDA 2117 1
SUJO: 3-151-000 ; 9-820-000 ; 9-830-000
TEMP: B1449
TITL: DESIGN AND ANALYSIS OF A CREW-COMPARTMENT SHIELD FOR A
RADIATION-RESISTANT COMBAT VEHICLE (U), 32 P., (SRD)
TREE: 411 ; 412

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24000
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 24325
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 5905
DESC: Nuclear Weapon Environment Ground Shock spallation L1
DESC: Nuclear Weapon Environment Ground Shock seismic
measurements L1
DESC: Nuclear Weapon Test site layout L1
DESC: Nuclear Weapon Environment fallout transfer L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
DESC: Nuclear Energy Peaceful Applications L1
DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence
transitions L1
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time
spectrum duration L1

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

L1

REPN: UCRL 5675

SHOT: RAINIER ; LOGAN ; EVANS ; BLANCA

TSHO: UG-CONTAINED

SUJO: 2-224-300 ; 2-620-300 ; 2-621-000 ; 2-622-000 ;
2-627-000 ;

2-628-000 ; 2-629-000 ; 3-480-000 ; 4-855-000

TITL: PROCEEDINGS OF THE SECOND PLOWSHARE SYMPOSIUM, MAY
13-15, 1959, SAN

FRANCISCO, CA; PT. 1, PHENOMENOLOGY OF UNDERGROUND

NUCLEAR

EXPLOSIONS (U), 164 P., (U)

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24325

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copy: 1 id: 56596-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 24726

ABS: Established military bases and metropolitan areas
contain within

and/or surrounding their boundaries large amounts of
natural land

areas which are unpaved. Much of such areas will require
reclamation

if radiologically contaminated as a result of nuclear
weapon attack.

A series of tests were therefore conducted to determine
the

influence of various soil-surface characteristics and
repeated

method applications on the effectiveness of some basic
land

reclamation methods. Four soil surfaces were tested: (1)
a moist

surface with green grass, (2) a tilled moist surface,
and (4) a dry

hard surface with withered vegetation. A synthetic
fallout was

produced and dispersed over the test surfaces and the
performances

in removing layers of soil of a scraper, motorized
grader plus

scraper, and remote-control bulldozer were evaluated.

ABS: Soil surface characteristics, moisture content, and
technique in the

application of the methods influenced the effectiveness
of the

reclamation methods. Decontamination ratios of 1% or

less were
and the
with which a
range,
obtained through one or more applications by the scraper
grader plus scraper methods. Based upon the efficiency
method could achieve any effectiveness within the test
scraping was the best method.

ADNO: 234004
AUTH: LEE H. ; SARTOR J.D. ; VAN HORN W.H.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 5901
DESC: SIMULATION ; EXPERIMENTAL
DESC: Nuclear Warfare Postattack Recovery resources soil
quality L1
DESC: Nuclear Warfare Postattack Recovery decontamination L1
GRADING
SCRAPING DOZING
REPN: NRDL TR 337
SUJO: 3-448-400 ; 3-448-900
TITL: STONEMAN II TEST OF RECLAMATION PERFORMANCE; VOL. 4,
PERFORMANCE
CHARACTERISTICS OF LAND RECLAMATION PROCEDURES (U), 65

P., (U)
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24726
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copy: 1 id: 56923-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 24843
AUTH: BROUGH T.G.
CLSS: CFRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB.
DATE: 6105
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology base surge L1
SHOT: UMBRELLA ; WAHOO ; BAKER (XRD) ; WIGWAM ; BRITISH
(52-10-03)
TSHO: UW
SUJO: 2-224-120
TEMP: B3110
TITL: PREDICTING EXTENT OF VISIBLE BASE SURGE (U), 85 P.,
(CFRD)
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24843
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copy: 1 id: 57002-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 24852
AUTH: SPENCER M.T.
CLSS: SRD
CORP: DEFENSE NUCLEAR AGENCY FIELD COMMAND (ALBUQUERQUE, NM)
DATE: 5909
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1
DESC: EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: Nuclear Weapon Environment Airblast static overpressure
L1
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity L1
REPN: FC 09590643
SHOT:
TSHO: SURFACE
SOCE: DAVY CROCKETT ; XW-54
SUJO: 1-110-000 ; 1-240-000 ; 1-710-000 ; 2-611-000
TEMP: A8797
TITL: PREDICTED BLAST, THERMAL, AND PROMPT RADIATION EFFECTS
FOR THE DAVY
CROCKETT (U), 20 P., (SRD)

TREE: 910 ; 920

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24852

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copy: 1 id: 57008-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 26421
AUTH: WANG R.I.H. ; KEREIAKES J.G.
CLSS: U
CORP: ARMY MEDICAL RESEARCH LAB. (FT. KNOX, KY)
DATE: 6012
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
REPN: AMRL 459
SUJO: 3-312-100
TITL: PROTECTION FROM RADIATION INDUCED LETHALITY BY CHEMICAL
MIXTURE AND
PARTIAL-BODY SHIELDING (U), 10 P., (U)

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26421

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copy: 1 id: 58107-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 26425
AUTH: PERKINS C.W. ; DENNEY J.M. ; DOWNING R.G.
CLSS: U
CORP: HUGHES AIRCRAFT CO. (CULVER CITY, CA)
DATE: 5909
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: TM 622
SUJO: 3-221-000 ; 3-231-000
TITL: SECOND EXPERIMENT ON PULSED NEUTRON RADIATION EFFECTS
(U), 17 P., (U)
TREE: 390 ; 310

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26425
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copy: 1 id: 58111-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 26426
AUTH: PERKINS C.W. ; DENNEY J.M. ; DOWNING R.G.
CLSS: U
CORP: HUGHES AIRCRAFT CO. (CULVER CITY, CA)
DATE: 5910
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: EXPERIMENTAL
EFFT: TREE
REPN: TM 623
SUJO: 3-221-000 ; 3-231-000
TITL: THIRD EXPERIMENT ON PULSED NEUTRON RADIATION EFFECTS
(U), 24 P., (U)
TREE: 310 ; 390

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26426
.endblock
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copy: 1 id: 58112-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 27283
CLSS: U
CORP: ATOMIC BOMB CASUALTY COMMISSION (HIROSHIMA-NAGASAKI,
JAPAN)
DATE: 6100
DESC: BIBLIOGRAPHY
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
REPN: TID 18968
SUJO: 3-312-000
TITL: BIBLIOGRAPHY OF PUBLICATIONS CONCERNING EFFECTS OF
NUCLEAR
EXPLOSIONS (U), 23 P., (U)

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27283
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copy: 1 id: 58790-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 28493
AUTH: TAKESHITA K.
CLSS: U
CORP: KYUSHU UNIVERSITY, FACULTY OF MEDICINE, DEPT. OF
RADIOLOGY (FUKUOKA)
DATE: 6200
DESC: Nuclear Weapon Environment Fallout beta intensities L1
DESC: EXPERIMENTAL SUMMARY
LA: JAPAN
SHOT: NAGASAKI
TSHO: LOW-ALT
SUJO: 2-223-300
SYMJ: JOURNAL OF RADIATION RESEARCH 3-3 177-181, SEPT. 1962
TITL: MEASUREMENTS OF RADIOACTIVITY IN NISHIYAMA DISTRICT,
NAGASAKI, JAPAN
(U), 5 P., (U)

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copy: 1 id: 59777-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 28985
ADNO: A076368
AUTH: PLACAK O.R. ; SEAL M.S. ; MCBRIDE J.R. ; GILMORE R.A. ;
ELDER R.L.

CLSS: U
CONN: AT (29 2) 162
CORP: REYNOLDS ELECTRICAL AND ENGINEERING CO., INC. (MERCURY,
NV)
DATE: 5908
DESC: Nuclear Weapon Test safety L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
REPN: OTO 58 6
SHOT: RUSHMORE ; CATRON ; JUNO ; CERES ; SANFORD ; HUMBOLDT ;
GANYMEDE ;
WRANGELL ; TITANIA ; VESTA ; RIO ARRIBA ; SAN JUAN ; SOCORRO ;
HAMILTON ; OBERON ; COLFAX ; TAMALPAIS ; QUAY ; LEA ; NEPTUNE ;
CHAVES ; DE LOGAN ; DONA AN ; BLANCA ; SANTA FE ; MAZAMA ; EVANS ;
VALENCIA ; MARS BACA ; OTERO ; BERNALILLO ; EDDY ; LUNA ; MERCURY ;
; MORA ; HIDALGO
TSHO: UG-CONTAINED ; LOW-ALT
SUJO: 2-223-100 ; 4-856-000
TITL: OPERATION HARDTACK--PHASE II, OFF-SITE RADIOLOGICAL
SAFETY REPORT,
NEVADA TEST SITE, 1958 (U), 239 P., (U)

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28985

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copy: 1 id: 60107-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 29004
ADNO: A078823
AUTH: MINKKINEN C. ; SCHLACKS H.P. ; GOEKE R.H. ; WEAVER C.L.
CLSS: U
CORP: NEVADA TEST ORGANIZATION (AEC), MERCURY OFF-SITE
RADIOLOGICAL SAFETY
ACTIVITIES (MERCURY, NV)
DATE: 5904
DESC: Nuclear Weapon Environment radiation decay gamma decay
L1
DESC: Nuclear Weapon Test safety L1
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1
DESC: EXPERIMENTAL
REPN: OTO 58 3
SUJO: 2-223-200 ; 2-223-420 ; 4-856-000
TITL: OPERATION HARDTACK, PHASE I, TASK GROUP 7.5;
RADIOLOGICAL SAFETY
SUPPORT (U), 46 P., (U)

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29004
.endblock
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copy: 1 id: 60118-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 29005
ADNO: A078562
AUTH: TELEGADAS K. ; NAGLER K.M.
CLSS: U
CORP: WEATHER BUREAU (SILVER SPRING, MD)
DATE: 6005
DESC: Nuclear Weapon Environment radiation decay gamma decay
L1
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
DESC: Nuclear Weapon Environment fallout arrival time L1 CLOUD
PASSAGE
DESC: Nuclear Weapon Environment fallout transport L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology cloud shape size L1
SHOT: BERNALILLO ; OTERO ; TITANIA ; BLANCA ; SANTA FE ;
HUMBOLDT ; EVANS
; CHAVES ; DE BACA ; SANFORD ; CERES ; JUNO ; CATRON ;
WRANGELL ;
RUSHMORE ; SOCORRO ; RIO ARRIBA ; VESTA ; DONA ANA ;
HAMILTON ;
NEPTUNE ; LEA ; QUAY ; TAMALPAIS ; COLFAX ; HIDALGO ;
MORA ; MARS ;
VALENCIA ; LUNA ; EDDY
TSHO: SURFACE ; UG-CONTAINED
SUJO: 2-223-420 ; 2-224-140 ; 2-224-200 ; 2-225-100 ;
2-225-300
TITL: FALLOUT PATTERNS FROM OPERATION HARDTACK, PHASE II (U),
128 P., (U)

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29005
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copy: 1 id: 60119-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30103
AUTH: WIEDERHOLT G.M.
CLSS: U
CORP: GE TEMPO (SANTA BARBARA, CA)
DATE: 5911
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1
DESC: SURVEY
REPN: 59 TMP 66
SUJO: 3-312-220
TITL: NATURE AND EFFECTS OF WORLDWIDE FALLOUT FROM NUCLEAR
WEAPONS (U), 66
P., (U)

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copy: 1 id: 60897-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30651
AUTH: WERTH G.C. ; HERBST R.F.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6212
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity
DESC: nuclear test detection seismic detection
DESC: NEW MEXICO TEXAS UTAH ARIZONA NEVADA CALIFORNIA ;
EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock scaling
SHOT: RAINIER ; FISHER ; GNOME ; HARDHAT
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-624-000 ; 4-910-100
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER
5 (U), P

1463, MARCH 1, 1963
TITL: COMPARISON OF AMPLITUDES OF SEISMIC WAVES FROM NUCLEAR
EXPLOSIONS IN
FOUR MEDIUMS (U), 13 P (U)

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30651
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copy: 1 id: 61349-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 30683
ADNO: 509983L
AUTH: ROWE M.H. ; MORRIS W.E.
CLSS: SRD
CORP: NAVAL ORDNANCE LAB. (WHITE OAK, MD)
DATE: 6009
DESC: Nuclear weapon safety radiological L1
DESC: SURVEY

REPN: NAVWEPS 7306
 SUJO: 4-838-100
 TEMP: C0684
 TITL: PLUTONIUM CONTAMINATION--PHENOMENOLOGY, CONSEQUENCES,
 ESTIMATED COSTS (U), 82 P., (SRD)
 TNFF: 8859
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 30683
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 copy: 1 id: 61375-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 30816
 AUTH: BELLMAN R. ; KALABA R. ; VASUDEVAN R.
 CLSS: U
 CONN: SD 79
 CORP: RAND CORP. (SANTA MONICA, CA)
 DATE: 6204
 DESC: Radiation Transport neutron L1
 DESC: THEORY
 REPN: RM 3114 ARPA
 SUJO: 9-650-000
 TITL: INVARIANT IMBEDDING THEORY OF NEUTRON
 TRANSPORT--CORRELATION
 FUNCTIONS (U), 11 P., (U)
 TREE: 970
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 30816
 .endblock
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 copy: 1 id: 61503-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 30832
 AUTH: THOMPSON W.E. ; FERGUSON J.M. ; MATHER R.L.
 CLSS: U
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
 DATE: 6011
 DESC: THEORY EXPERIMENTAL
 DESC: Radiation Transport neutron L1
 REPN: NRDL TR 478
 SUJO: 9-650-000
 TITL: NEUTRON DISTRIBUTIONS NEAR AN AIR-SOIL BOUNDARY (U), 75
 P., (U)
 TREE: 970
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copy: 1 id: 61519-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 30833
AUTH: YANG J.Y. ; GEVANTMAN L.H.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6009
DESC: Nuclear Physics Chemistry L1
DESC: EXPERIMENTAL
REPN: NRDL TR 471
SUJO: 9-010-000
TITL: TRITIUM BETA RADIATION-INDUCED ISOTOPIC EXCHANGE IN THE
T2-H20
SYSTEM (U), 20 P., (U)

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copy: 1 id: 61520-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 32155
ADNO: 346862L
AUTH: CULVER W.H.
CLSS: U
CONN: SD 50
CORP: INSTITUTE FOR DEFENSE ANALYSES
DATE: 6201
DESC: THEORY SUMMARY
DESC: Directed Energy Weapons Lasers Technology Beam
generation energy
supply L1
REPN: IDA TN 62 3
SUJO: 3-611-400
TITL: REPORT ON THE IDA COMMITTEE ON OPTICAL MASERS RADIATION
WEAPONS, I
(U), 20 P., (U)

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copy: 1 id: 62809-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 32156
ADNO: 346859

AUTH: CULVER W.H.
CLSS: U
CORP: INSTITUTE FOR DEFENSE ANALYSES
DATE: 6203
DESC: Directed Energy Weapons Lasers Effects Metals L1
DESC: THEORY EXPERIMENTAL SUMMARY
REPN: IDA TN 62 13
SUJO: 3-613-100
TITL: REPORT ON OPTICAL MASER RADIATION WEAPONS III (U), 5 P.,
(U)
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copy: 1 id: 62810-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 32164
ADNO: 334852
CLSS: U
CONN: AF 30 (602) 2638
CORP: WESTINGHOUSE DEFENSE CENTER (BALTIMORE, MD)
DATE: 6211
DESC: Directed Energy Weapons Lasers Deployed Systems Fixed
land systems
L1
DESC: THEORY
REPN: RADC TDR 62 622
SUJO: 3-612-400
TITL: INVESTIGATION OF OPTICS FOR A RADIATION WEAPON SYSTEM
(U), 30 P.,
(U)
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copy: 1 id: 62818-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 32340
ADNO: 356319L
CLSS: C
CONN: AF 30 (602) 2083
CORP: NEW YORK UNIVERSITY (NEW YORK, NY)
DATE: 6211
DESC: Directed Energy Weapons Microwaves HPM Applications BMD
anti-missile
L1
DESC: Directed Energy Weapons Microwaves HPM RDT&E Programs L1
DESC: THEORY

DESC: Directed Energy Weapons Microwaves HPM Effects Metals L1
 REPN: RADC TDR 61 286
 SUJO: 3-650-400 ; 3-653-100 ; 3-656-200
 TEMP: C1791 2
 TITL: RADIATION WEAPONS ANALYSIS STUDY GROUP, REPORT NO. 2
 (U), 60 P., (C)
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 32340
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 copy: 1 id: 62992-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 32341
 ADNO: 356582L
 CLSS: C
 CONN: AF 30 (602) 2083
 CORP: NEW YORK UNIVERSITY (NEW YORK, NY)
 DATE: 6210
 DESC: SUMMARY
 DESC: Directed Energy Weapons Microwaves HPM RDT&E Programs L1
 COMET
 REPN: RADC TDR 62 544 V.1
 SUJO: 3-650-400
 TEMP: C1791 3 1
 TITL: RADIATION WEAPONS ANALYSIS STUDY GROUP, REPORT NO. 3,
 VOL. 1 SUMMARY
 AND RECOMMENDATIONS (U), 25 P., (C)
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 copy: 1 id: 62993-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 32342
 ADNO: 356583L
 CLSS: C
 CONN: AF 30 (602) 2083
 CORP: NEW YORK UNIVERSITY (NEW YORK, NY)
 DATE: 6210
 DESC: Directed Energy Weapons Microwaves HPM Technology Beam
 generation
 energy supply L1
 DESC: Directed Energy Weapons Microwaves HPM Effects RVs L1
 COMET
 DESC: THEORY TABULAR
 DESC: Directed Energy Weapons Lasers RDT&E Programs L1
 REPN: RADC TDR 62 544 V.2
 SUJO: 3-610-400 ; 3-651-400 ; 3-653-200

TEMP: C1791 3 2
TITL: RADIATION WEAPONS ANALYSIS STUDY GROUP, REPORT NO. 3,
VOL. 2
COMPLETE REPORT (U), 210 P., (C)

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copy: 1 id: 62994-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 32664
AUTH: HARDY N. ; HERBST R.F. ; LEITH C.E. ; SCHULZ W.D.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)
DATE: 5901
DESC: Fluid Mechanics hydrodynamics L1
DESC: THEORY CODE
REPN: UCRL 5429 T
SHOT: CORONET II (2 D-HYDRO AND UCRL)
SUJO: 9-410-000
TEMP: B4524
TITL: CORONET II, TWO DIMENSIONAL HYDRODYNAMICS AND RADIATION
FLOW CODE
FOR THE IBM 704 (U), 84 P., (SRD)

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copy: 1 id: 63306-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 33484
ADNO: 241107L
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6000
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: Cross Sections gamma L1 SHIP SHIELDING
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology base surge L1
TSHO: UW
SUJO: 2-223-100 ; 2-224-120 ; 9-830-000
TITL: PROCEEDINGS OF THE TRIPARTITE SYMPOSIUM ON TECHNICAL
STATUS OF
RADIOLOGICAL DEFENSE IN THE FLEETS, VOL. 1, REVIEW AND
LECTURES NO.
103, 16 TO 20 MAY 1960 (U), 200 P., (U)

TREE: 411
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33484
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copy: 1 id: 64180-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 33801
ADNO: 239075L
AUTH: MCCALLA E.D. ; BENSON J.W.
CLSS: U
CORP: LOCKHEED AIRCRAFT CORP, GEORGIA DIVISON
DATE: 6006
DESC: Nuclear Weapon Effects electrical mechanical fluidic
devices L1
DESC: THEORY
EFFT: TREE
REPN: NR 91 ; NUCLEAR REPT 91
SUJO: 3-234-000
TITL: ANALYTICAL ANALOG STUDY OF SOME RADIATION EFFECTS ON AN
ELECTROHYDRAULIC SERVO TEST LOOP (U), 70 P., (U)
TREE: 350

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33801
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copy: 1 id: 64503-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 33847
ADNO: 409733L
AUTH: BELL J.E. ; HELMS R.L. ; PIZALER P.H. ; WALKER K.R.
CLSS: U
CONN: AF 29(601) 4743
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA)
DATE: 6206
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1
DESC: TABULAR
EFFT: TREE
SUJO: 3-213-000 ; 3-219-000
TITL: THEORETICAL STUDY OF BURST INDUCED TRANSIENT RADIATION
EFFECTS IN
BASIC ELECTRONIC CIRCUITS (U), 175 P., (U)
TREE: 369 ; 367
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33847
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copy: 1 id: 64548-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 33860
ADNO: 320476L
CLSS: U
CONN: DA 36 039 SC 78171
CORP: EG AND G, INC. (BOSTON, MA)
DATE: 6006
DESC: TABULAR
DESC: test instruments electronic vulnerability TREE L1
SUJO: 4-372-000
TITL: STUDY OF RADIATION EFFECTS ON ELECTRONIC DEVICES, VOL.
1 (1 AUG 1958
TO MAR 1960) (U) 285 P., (U)
TREE: 656

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33860
.endblock
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copy: 1 id: 64561-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 33861
ADNO: 320477L
CLSS: U
CONN: DA 36 039 SC 78171
CORP: EG AND G, INC. (BOSTON, MA)
DATE: 6006
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1
DESC: THEORY
EFFT: TREE
SUJO: 3-221-000
TITL: STUDY OF RADIATION EFFECTS ON ELECTRONIC DEVICES, VOL.
2 (1 AUG 1958
TO 10 MARCH 1960) (U), 85 P., (U)
TREE: 310

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33861
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copy: 1 id: 64562-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 33862
 ADNO: 409846L
 AUTH: BELL J.E. ; LOVELAND R.D. ; LOWRY J.W. ; SLIVKA L.P.
 CLSS: U
 CONN: AF 29(601) 2538
 CORP: HUGHES AIRCRAFT CO. (CULVER CITY, CA)
 DATE: 6012
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers L1
 AMPLIFIERS
 DESC: THEORY EXPERIMENTAL
 EFFT: TREE
 SUJO: 3-213-000 ; 3-229-000
 TITL: THEORETICAL STUDY OF BURST INDUCED TRANSIENT RADIATION
 EFFECTS IN BASIC ELECTRONIC CIRCUITS (U), CA. 150 P., (U)
 TREE: 369 ; 305
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 33862
 .endblock
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 copy: 1 id: 64563-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 33964
 ADNO: 312143L
 CLSS: U
 CONN: DA 36 039 SC 78171
 CORP: EG AND G, INC. (BOSTON, MA)
 DATE: 5907
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 TUBES
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1
 REPN: EGG B1936
 SUJO: 3-221-000 ; 3-229-000
 TITL: STUDY OF RADIATION EFFECTS ON ELECTRONIC DEVICES; SECOND
 QUARTERLY REPORT, 1 FEBRUARY-30 JUNE 1959 (U), 366 P., (U)
 TREE: 310 ; 305
 .block
 33964
 .endblock
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 copy: 1 id: 64663-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 34256
AUTH: RICHARDS P.I.
CLSS: U
CONN: DA 19 020 ORD 5408
CORP: TECHNICAL OPERATIONS, INC.
DATE: 6205
DESC: THEORY
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry
general descriptions L1
REPN: TO B 62 24
TSHO: HI-ALT
SUJO: 2-311-000
TITL: SUMMARY REPORT ON INVESTIGATION OF RADIATION AND
CHEMICAL
CALCULATIONS (U), CA. 75 P., (U)

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34256
.endblock
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copy: 1 id: 64942-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 34383
AUTH: PARKER L.W.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 5912
DESC: Nuclear Weapon Environment Visible Output rate L1
REPN: UCRL 5796 T ; SR 160738
SUJO: 1-440-000
TEMP: B4574
TITL: TELLER LIGHT--EFFECTS OF ABSORPTION (U), 50 P., (SRD)

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34383
.endblock
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copy: 1 id: 65061-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 34384
AUTH: WESLEY J.P. ; PARKER L.W.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 5908
DESC: SURVEY
DESC: Nuclear Weapon Environment Visible Output rate L1

DESC: Nuclear Weapon Environment Visible Output angular
distribution L1

DESC: Nuclear Weapon Environment Visible Output energy
spectrum L1

REPN: UCRL 5645

SUJO: 1-420-000 ; 1-430-000 ; 1-440-000

TEMP: B4575

TITL: SPACE TIME DEVELOPMENT OF TELLER LIGHT (U), 33 P., (SRD)

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34384

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copy: 1 id: 65062-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 34637

ABS: This is the final report of a study contract concerning
the

establishment of an earth orbital vehicle (EOV) lethal
and nonlethal

self-defense measures against threats in the 1965-1980
time period.

The study was conducted during the period from may 1961
to December

1962. (author)

ADNO: 341767

CLSS: S

CONN: AF 33(616) 8312

CORP: NORTHROP SPACE LABS. (HAWTHORNE, CA)

DATE: 6209

DESC: Directed Energy Weapons Lasers Applications Satellite
defense L1

DESC: THEORY

DESC: Directed Energy Weapons Applications Satellite defense
L1

DESC: Directed Energy Weapons Technology Beam generation
energy supply L1

REPN: NSL 62 204 V.2 PTS.2+3

SUJO: 3-601-400 ; 3-606-110 ; 3-616-110

TEMP: C4355

TITL: EARTH-ORBITAL VEHICLE DEFENSE ENVIRONMENT STUDY; VOL. 2
PTS. 2 AND

3: PT. 2, RADIATION WEAPONS FOR THE DEFENSE OF
EARTH-ORBITAL

VEHICLES; PT. 3, EARTH-ORBITAL VEHICLE MECHANICAL
DEFENSE CONCEPTS

(U), CA. 500 P., (S)

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34637

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copy: 1 id: 65312-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 40112
ABS: This report presents the state of the art on the effects
of nuclear radiation on adhesives. It summarizes the radiation
effects information published up to 1961 for various adhesives
based on organic materials. The information presented is largely
for structural adhesives, since most radiation-effects
studies were on these types. With a few exceptions, the radiation
stability on nonstructure adhesives has not been determined.

ACCD: 91 03 07
ADNO: B968015
AUTH: Broadway N.J. ; Palinchak S.
CLSS: U
CONN: AF 33(616) 7375 ; AF 33(616) 6564
CORP: Battelle Memorial Institute, Radiation Effects
Information Center
(Columbus, OH)
DATE: 6103
DESC: EXPERIMENTAL SURVEY
DESC: Nuclear Weapon Effects materials plastics resins L1
EPOXY-PHENOLIC VINYL-PHENOLIC NYLON-PHENOLIC EPOXY EPOXY-THIOL
NITRILE RUBBER

NEOPRENE-PHENOLIC
EFFT: NEUTRON ; GAMMA ; TREE
REPN: REIC 17
SUJO: 3-244-000
TITL: Effect of Nuclear Radiation on Structural Adhesives (U),
91 P., (U)
TREE: 385

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40112

.endblock

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copy: 1 id: 71296-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: AFSWP 0902 1
AUTH: HILLEDAHL R.W.
CLSS: C 1
CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 5906
DESC: Nuclear Weapon Environment Ultraviolet Output energy

spectrum L1
 DESC: test instruments thermal temperature L1
 DESC: Environmental Conditions at Nuclear Weapon Test Site
 weather L9
 DESC: SURFACE OBSERVATION TROPOSPHERIC OBSERVATION ; SUMMARY
 DESC: Nuclear weapon test yield L9
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
 Rates L1
 DESC: Absorption Spectrum Transmission Opacity of Natural
 Heated Air L1
 DESC: test instruments UV L1
 DESC: Nuclear Weapon Environment Visible Output energy
 spectrum L1
 DESC: Nuclear Weapon Environment Thermal Output rate L1
 DESC: Nuclear Weapon Environment Thermal Output source
 strength total
 intensity L1
 DESC: Nuclear Weapon Environment Infrared Output energy
 spectrum L1
 REPN: AFSWP 0902 1 ; NRDL TR 383 V1
 SHOT: KING ; ENCORE ; GRABLE ; CLIMAX ; BRAVO ; ROMEO ; UNION
 ; NECTAR ;
 WASP ; MOTH ; TESLA ; BEE ; WASP PRIME ; LACROSSE ;
 CHEROKEE ; ZUNI ;
 FLATHEAD ; DAKOTA ; APACHE ; NAVAJO ; TEWA ; HURON ;
 CACTUS ;
 BUTTERNUT ; KOA ; YELLOWWOOD ; MAGNOLIA ; ROSE ; TOBACCO
 ; WALNUT ;
 FIG ; DIXIE ; HARRY ; BRAVO ; HORNET ; ERIE ; KICKAPOO
 ; INCA ;
 MOHAWK ; BOLTZMANN ; PRISCILLA ; HOOD ; DIABLO ; STOKES
 ; SHASTA ;
 DOPPLER ; FRANKLIN ; SMOKY
 TSHO: LOW-ALT ; SURFACE
 SUJO: 1-210-000 ; 1-240-000 ; 1-320-000 ; 1-420-000 ;
 1-520-000 ;
 2-110-000 ; 4-381-000 ; 4-384-000 ; 4-835-000 ;
 4-841-000 ;
 5-200-000
 TEMP: 33149
 TITL: CHARACTERISTICS OF THE THERMAL RADIATION FROM NUCLEAR
 DETONATIONS,
 VOL. 1 (U), 98 P., (C)
 .block
 AFSWP 0902 1
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 copy: 1 id: 72547-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: AFSWP 0902 2
 AUTH: HILLEDAHL R.W.

CLSS: C 1
CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 5906
DESC: SUMMARY
DESC: test instruments UV L1
DESC: test instruments thermal temperature L1
REPN: AFSWP 0902 2 ; NRDL TR 383 V2
SUJO: 4-381-000 ; 4-384-000
TEMP: 33149
TITL: CHARACTERISTICS OF THE THERMAL RADIATION FROM NUCLEAR
DETONATIONS,
VOL. 2 (U), CA. 400 P., (SRD)

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AFSWP 0902 2

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copy: 1 id: 72548-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: AFSWP 0902 3
AUTH: HILLEDAHL R.W.
CLSS: SRD
CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 5906
DESC: SUMMARY THEORY
DESC: Nuclear Weapon Environment Visible Output energy
spectrum L1
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1
DESC: Nuclear Weapon Environment Infrared Output energy
spectrum L1
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity L1
DESC: Nuclear Weapon Environment Ultraviolet Output energy
spectrum L1
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L1
REPN: AFSWP 0902 3 ; NRDL TR 383 V3
SHOT: WASP ; WASP PRIME ; GRABLE ; ENCORE ; CLIMAX ; KING ;
CHEROKEE ; HA
; DIXIE ; JOHN ; YUCCA ; ORANGE ; TEAK ; OTHERS
TSHO: LOW-ALT ; HI-ALT
SUJO: 1-210-000 ; 1-320-000 ; 1-420-000 ; 1-520-000 ;
2-110-000 ;
5-200-000
TEMP: 33149 V 3
TITL: CHARACTERISTICS OF THE THERMAL RADIATION FROM NUCLEAR
DETONATIONS
(U), VOLUME 3, TECHNICAL REPORT, 136 P., (SRD)

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AFSWP 0902 3

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copy: 1 id: 72549-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: AFSWP 0938
AUTH: PORZEL F.B.
CLSS: C
CORP: ARMOUR RESEARCH FOUNDATION (CHICAGO-IL)
DATE: 6201
DESC: THEORY
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature
Density Particle Velocities L1 TEMPERATURE
REPN: DASA 0938
SUJO: 1-240-000 ; 2-130-000
TEMP: 73084 ; 77319
TITL: SURFACE EFFECTS ON BLAST LOADING, PART I, THERMAL
RADIATION, INTERIM
REPORT NO. II (U), 61 P, (C)

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AFSWP 0938

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copy: 1 id: 72558-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: AFSWP 1119
AUTH: FERRIS H.G.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 5901
DESC: test instruments thermal temperature
DESC: THEORY
REPN: AFSWP 1119 ; USNRDL TR 311
SUJO: 4-384-000
TITL: THEORETICAL ANALYSIS OF RADIOMETER PERFORMANCE (U), 18
P (U)

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AFSWP 1119

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copy: 1 id: 72666-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: AFSWP 1133

AUTH: JENKINS R.J. ; INN E.C.Y. ; PARKER W.J. ; RUDKIN R.L.
 CLSS: SRD
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
 DATE: 5903
 DESC: Nuclear Weapon Environment Visible Output rate L1
 DESC: Nuclear Weapon Environment Infrared Output rate L1 NEAR 1R
 DESC: Nuclear Weapon Environment Infrared Output energy spectrum L1 NEAR 1R
 DESC: Nuclear weapon test yield L1 P6
 DESC: RB-36 AIRCRAFT ; EXPERIMENTAL DATA
 DESC: Nuclear Weapon Environment Ultraviolet Output rate L1 NEAR UV
 DESC: Nuclear Weapon Environment Ultraviolet Output energy spectrum L1 NEAR UV
 DESC: Nuclear Weapon Environment Visible Output energy spectrum L1
 REPN: USNRDL TR 333 ; AFSWP 1133
 PROJ: 8.4
 SHOT: HA ; YUCCA ; ORANGE ; TEAK ; WASP PRIME
 TSHO: HI-ALT ; LOW-ALT
 SUJO: 1-320-000 ; 1-340-000 ; 1-420-000 ; 1-440-000 ; 1-520-000 ; 1-540-000 ; 4-835-000
 TEMP: 39610 ; B1840
 TITL: SPECTRAL IRRADIANCE HISTORY OF THE THREE HIGH ALTITUDE SHOTS OF OPERATION HARDTACK, 24 P, (S)
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 AFSWP 1133
 .endblock
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 copy: 1 id: 72675-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: AFSWP 1135
 AUTH: MARTIN S.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
 DATE: 5904
 DESC: Nuclear Weapon Effects on plants thermal
 DESC: Nuclear Weapon Effects materials wood paper cellulose films
 DESC: SUMMARY
 DESC: Nuclear Weapon Effects materials fibers textiles
 REPN: AFSWP 1135 ; USNRDL TR 367
 SUJO: 3-242-000 ; 3-246-000 ; 3-333-000
 TITL: PREDICTING THE IGNITION SUSCEPTIBILITY OF TYPICAL

KINDLING FUELS TO
IGNITION BY THE THERMAL RADIATION FROM NUCLEAR
DETONATIONS (U), 32 P
(U)

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AFSWP 1135

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copy: 1 id: 72676-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: CEX 57.1

ABS: The civil effects test operation exercise CEX-57.1
following

Operation Plumbbob was carried out to obtain information
on

decontamination procedures that could be used as
radiological

countermeasures. The test was conducted on D + 1 and D
+ 2 days

after shot coulomb C. Data were obtained on reclamation
of land

areas by scraping with a motorgrader, on firehosing and
scrubbing a

concrete-slab roof, and on fire-hosing a composition
roof. In

addition, some shielding data were obtained for a small
building

with 6-in. -thick concrete walls and roof. The
conceptual nature of

a radiological defense system and the role of
decontamination or

reclamation in such a system are discussed. Most of the
report deals

with methods for reducing the observed data to
interpretive form

because the data were taken within a large contaminated
area.

ABS: The decontamination effectiveness in terms of the
fraction of

contamination remaining was computed to be (1) 0.2 to
0.3 for

scraping with a motorgrader (1 pass with 1 1/2-in. Cut);
(2) 0.3 to

0.4 for fire-hosing a concrete roof (1 pass, 50-psi
nozzle

pressure); and (3) 0.3 to 0.4 for fire-hosing a
composition shingle

roof. No significant additional amount of fallout was
removed from

the concrete roof when it was scrubbed after
fire-hosing. These

results are high compared to other data owing to the low levels of contamination and error in the measurements and data analysis methods. It is concluded that low levels of contamination at the Nevada Test Site could be utilized to advantage to obtain data on gamma-radiation properties, such as the effects of materials and source geometries on the attenuation of fission-product gamma rays.

ABS: However, higher levels of fallout, in terms of the fallout particle mass, are required to obtain useful information and training on decontamination techniques; therefore, the use of low levels of contamination to conduct studies in this area is not recommended.

AUTH: MILLER C.F.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6009
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic

external L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L5 P

17
REPN: CEX 57.1
SHOT: COULOMB C
TSHO: SURFACE
SUJO: 2-223-420 ; 2-225-100 ; 3-312-210 ; 3-448-900
TITL: RADIOLOGICAL ASSESSMENT AND RECOVERY OF CONTAMINATED AREAS (U), 68

P., (U)
TNFF: 6220

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CEX 57.1
.endblock
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copy: 1 id: 72714-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 58.2
AUTH: DAVIS T.P. ; MILLER N.D. ; ELY T.S. ; BASSO J.A. ;
PEARSE H.E.

CLSS: U
CORP: UNIVERSITY OF ROCHESTER (ROCHESTER-NEW YORK)
DATE: 5905
DESC: Nuclear Weapon Effects on animals thermal burns heating
DESC: EXPERIMENTAL
DESC: test instruments thermal temperature
DESC: test instruments nuclear radiation beta electron beams
REPN: CEX 58 2
SUJO: 3-313-100 ; 4-344-000 ; 4-384-000
TITL: SCATTERING OF THERMAL RADIATION INTO OPEN UNDERGROUND
SHELTERS (U),
26 P (U)

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CEX 58.2

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copy: 1 id: 72716-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 58.4.8

AUTH: MACKALLOR J.A.

CLSS: U

CORP: GEOLOGICAL SURVEY

DATE: 6201

DESC: EXPERIMENTAL

DESC: Geology L5

DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1

REPN: CEX 58.4.8

SUJO: 3-540-000 ; 6-700-000

TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE
GEORGIA NUCLEAR

LABORATORY AREA, NORTHERN GEORGIA (ARMS-I) (U), 36 P.,

(U)

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CEX 58.4.8

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copy: 1 id: 72719-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 58.8

AUTH: WHITE C.S. ; BOWEN I.G. ; RICHMOND D.R. ; CORSBIE R.L.

CLSS: U

CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
(ALBUQUERQUE-NM)

DATE: 6101

DESC: SUMMARY

DESC: Nuclear Weapon Effects on animals blast shock L1

DESC: Nuclear Weapon Effects on animals thermal L1

DESC: Nuclear Weapon Effects on animals ionizing radiation L1
REPN: CEX 58.8
SUJO: 3-311-000 ; 3-312-000 ; 3-313-000
TITL: COMPARATIVE NUCLEAR EFFECTS OF BIOMEDICAL INTEREST (U),
81 P, (U)

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CEX 58.8

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copy: 1 id: 72720-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.1

AUTH: BATTER J.F. ; KAPLAN A.L. ; CLARKE E.T.

CLSS: U

CORP: TECHNICAL OPERATIONS INCORPORATED

(BURLINGTON-MASSACHUSETTS)

DATE: 5905

DESC: Simulation Facilities Techniques nuclear radiation
fallout

simulation

DESC: Cross Sections gamma

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation

REPN: CEX 59 1

SUJO: 3-312-000 ; 4-242-000 ; 9-830-000

TITL: EXPERIMENTAL EVALUATION OF THE RADIATION PROTECTION

AFFORDED BY A

LARGE MODERN CONCRETE OFFICE BUILDING (U), 61 P (U)

TREE: 411

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CEX 59.1

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copy: 1 id: 72722-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: CEX 59.4 1

AUTH: MERIAN R.F. ; LACKEY J.G. ; HAND J.E.

CLSS: U

CORP: EG+G, INC.

DATE: 6007

DESC: SUMMARY

DESC: test instruments nuclear radiation gamma L1

REPN: CEX 59.4

SUJO: 4-341-000

TITL: AERIAL RADIOLOGICAL MONITORING SYSTEM; I, THEORETICAL
ANALYSIS,

DESIGN, AND OPERATION OF A REVISED SYSTEM (U), 54 P.,

(U)

TREE: 651
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CEX 59.4 1
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copy: 1 id: 72726-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 59.4.11
AUTH: SCHMIDT R.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6103
DESC: EXPERIMENTAL
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
REPN: CEX 59.4.11
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE
HANFORD PLANT
AREA, WASHINGTON AND OREGON (ARMS-I) (U), 25 P., (U)

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CEX 59.4.11
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copy: 1 id: 72729-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 59.4.14
AUTH: POPENOE P.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6208
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: EXPERIMENTAL
REPN: CEX 59.4.14
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF PARTS OF
EAST-CENTRAL
NEW YORK AND WEST-CENTRAL NEW ENGLAND (ARMS-I) (U), 39
P., (U)

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CEX 59.4.14
.endblock
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copy: 1 id: 72731-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 59.4.15
AUTH: BATES R.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6103
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: Geology L5
DESC: EXPERIMENTAL
REPN: CEX 59.4.15
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE OAK
RIDGE NATIONAL
LABORATORY AREA, TENNESSEE AND KENTUCKY (ARMS-I) (U), 42

P., (U)

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CEX 59.4.15

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copy: 1 id: 72732-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.16
AUTH: BOOKS K.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6105
DESC: EXPERIMENTAL
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
REPN: CEX 59.4.16
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND RELATED SURFACE GEOLOGY OF
PARTS OF THE

LOS ANGELES REGION, CALIFORNIA (ARMS-I) (U), 25 P., (U)

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CEX 59.4.16

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copy: 1 id: 72733-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.13
AUTH: STRICKLER T.D. ; AUXIER J.A.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION

DATE: 6004
DESC: Cross Sections gamma L1
DESC: EXPERIMENTAL
REPN: CEX 59.13
SUJO: 9-830-000
TITL: EXPERIMENTAL EVALUATION OF THE RADIATION PROTECTION
AFFORDED BY
TYPICAL OAK RIDGE HOMES AGAINST DISTRIBUTED SOURCES (U),
51 P., (U)
.block
CEX 59.13
.endblock
.block
copy: 1 id: 72723-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 61.6.3
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6111
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: EXPERIMENTAL
DESC: Geology L5
REPN: CEX 61.6.3
SUJO: 3-540-000 ; 6-700-000
TITL: CAMDEN--DELAWARE VALLEY AREA (ARMS-II) (U), 20 P., (U)
.block
CEX 61.6.3
.endblock
.block
copy: 1 id: 72744-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 61.6.4
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6112
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: Geology L5
DESC: EXPERIMENTAL
REPN: CEX 61.6.4
SUJO: 3-540-000 ; 6-700-000
TITL: NORFOLK--PENINSULA AREA (ARMS-II) (U), 20 P., (U)
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CEX 61.6.4
.endblock

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copy: 1 id: 72745-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 62.01
AUTH: AUXIER J.A. ; SANDERS F.W. ; HAYWOOD F.F. ; THORNGATE
J.H. ; CHEKA
J.S.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION (NEW YORK-NY), OAK RIDGE
NATIONAL LAB (OAK
RIDGE-TN)
DATE: 6201
DESC: Nuclear RDT&E Research Program Descriptions biomedical
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
REPN: CEX 62.01
SUJO: 4-140-000 ; 4-150-000
TITL: TECHNICAL CONCEPT-OPERATION BREN (U), 20 P (U)

.block
CEX 62.01
.endblock

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copy: 1 id: 72747-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 62.02
AUTH: SANDERS F.W. ; HAYWOOD F.F. ; LUNDIN M.I. ; GILLEY L.W.
; CHEKA J.S.
; WARD D.R.
CLSS: U
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN.)
DATE: 6204
DESC: Nuclear Weapon Test safety L1
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
DESC: SUMMARY
REPN: CEX 62.02
SUJO: 4-241-000 ; 4-856-000
TITL: OPERATION PLAN AND HAZARDS REPORT--OPERATION BREN (U),
101 P., (U)

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CEX 62.02
.endblock

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copy: 1 id: 72748-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 62.6.1
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6206
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: EXPERIMENTAL
REPN: CEX 62.6.1
SUJO: 3-540-000 ; 6-700-000
TITL: GALVESTON AREA (ARMS-II) (U), 21 P., (U)

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CEX 62.6.1

.endblock

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copy: 1 id: 72756-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 62.6.3
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6212
DESC: EXPERIMENTAL
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: Geology L5
REPN: CEX 62.6.3
SUJO: 3-540-000 ; 6-700-000
TITL: ARGUELLO AREA (ARMS-II) (U), 19 P., (U)

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CEX 62.6.3

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copy: 1 id: 72757-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 0516
ADNO: 257578
AUTH: ELLINGER F. ; STRIKE T.
CLSS: U
CORP: NAVY/MEDICAL RESEARCH INSTITUTE (BETHESDA-MD)
DATE: 6011
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
DESC: SIMULATION (GAMMA SOURCE) ; EXPERIMENTAL
REPN: DASA 516 ; R 5

SHOT: MOLE ; ESS
TSHO: LOW-ALT ; SURFACE
SUJO: 3-312-100
TITL: PHARMACOLOGICAL STUDIES ON IRRADIATED ANIMALS. X EFFECTS
OF CELLFREE

SPLEEN EXTRACT TREATMENT ON HEMATOPOIETIC TISSUES OF
IRRADIATED
GUINEA PIGS (U), RESEARCH REPORT, 38 P (U) NUMBER 5,
VOLUME 18 (U),
39 P (U)

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DASA 0516

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copy: 1 id: 73986-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 0528

ADNO: 339899L

AUTH: DOLAN P.J.

CLSS: SRD

CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-DC)

DATE: 5908

DESC: Nuclear Weapon Environment radiation decay L1 2R 95 LA
140 SR 90 SR

89 CS 137

DESC: THEORY SUMMARY TABULAR

DESC: Nuclear Weapon Environment fallout fractionation L1

REPN: DASA 0528

SHOT: ZUNI ; TEWA ; SUGAR

TSHO: LOW-ALT

SUJO: 2-223-400 ; 2-223-500

TEMP: 59514

TITL: THEORETICAL DOSE RATE DECAY CURVES FOR CONTAMINATION
RESULTING FROM

LAND SURFACE BURST NUCLEAR WEAPONS (U), TECHNICAL
ANALYSIS REPORT,
46 P, (SRD)

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DASA 0528

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copy: 1 id: 73990-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 0529

ABS: The High Altitude Sampling Program was initiated in 1954
to

determine the spread of weapon produced fission products
through the

stratosphere. U-2 aircraft operated by the Strategic Air Command have been sampling stratospheric air at various altitudes along North-South paths from 66 deg North to 57 deg South at 70 deg West since 1957. Isotopes Incorporated, the principle contractor in this program, has analyzed over 1500 samples to date. Further metrological correlation has evolved a model of the stratosphere which accounts for the non-uniform deposition of fission products.

The total stratospheric inventory of Sr/sup 90/ as of the Fall of 1958 was found to be 1 megacurie. The half-residence time of polar injections and equatorial injections into the stratosphere was found to be six months and twelve months, respectively.

ABS: The major portion of the stratospheric debris moves into the

troposphere through the midlatitude tropopause break. Predictions of

Sr/sup 90/ levels to be found in equilibrium bone have been made

through 1972. (auth) AIR; AIRCRAFT; DISPERSIONS; EARTH; FALLOUT;

FISSION PRODUCTS; LEVELS; MATHEMATICS; METEOROLOGY; NUCLEAR

EXPLOSIONS; QUANTITATIVE ANALYSIS; QUANTITY RATIO; RADIOACTIVITY;

SAMPLING; STANDARDS; STRATOSPHERE; STRONTIUM 90; ZONES AUTH: STEBBINS A.K.

CLSS: U

CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-D.C.)

DATE: 5907

DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear

radiation transport
DESC: Nuclear Weapon Environment Fallout isotope concentrations

DESC: Nuclear Weapon Environment fallout transfer

DESC: Nuclear Weapon Environment fallout transport

DESC: SUMMARY

REPN: DASA 0529

SUJO: 2-223-100 ; 2-224-200 ; 2-224-300 ; 4-140-000

TITL: HIGH ALTITUDE SAMPLING PROGRAM (U), 27 P (U)

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DASA 0529

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copy: 1 id: 73991-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 0531

ABS: The High Altitude Sampling Program was initiated by the Joint Chiefs of Staff in 1954 to determine the spread of weapon-produced fission products through the stratosphere. U-2 aircraft, operated by the Strategic Air Command, have been sampling stratospheric air at various altitudes along South to 70 deg North since 1957. Isotopes Incorporated, the principal contractor in this program, has analyzed over 2000 samples to date. Meteorological correlation has evolved a model of the stratosphere which accounts for the nonuniform deposition of fission products. The total stratospheric inventory of Sr/sup 90/ between November 1957 and November 1958 was found to be 0.9 megacurie. In spite of the large Russian injection in the fall of 1958, the Sr/sup 90/ stratospheric inventory for the period January 1959 to September 1959 averaged 0.7 megacurie.

ABS: The conclusion is reached that equatorial injections in the 1 to 5 megaton range have a stratospheric half-residence time of around 10 months, while injections in the polar and temperate regions have a stratospheric half-residence time of around 5 months. Larger yield tropical injections probably have residence times on the order of several years. A special study of W/sup 185/ injected during the HARDTACK operation has been made. Results show more details of the mode of stratospheric mixing and transport and support conclusions drawn from Sr/sup 90/ analysis. A definite seasonal effect upon the rate of departure of debris from the stratosphere is shown. The major portion of the stratospheric debris moves into the troposphere through the mid-latitude tropopause break. By Jan. 1, 1960, 87% of all material injected into the stratosphere will be on

the ground.

ABS: Predictions of radiation dose from existing nuclear debris of biological significance are made. The total dose from all debris, even to infants born during peak activities, has probably been no more than 10% of MPC and by 1965 should be less than 1% of MPC.

(auth) AIR; AIRCRAFT; ATMOSPHERE; BIOLOGY; FALLOUT; FISSION PRODUCTS; MEASURED VALUES; METEOROLOGY; MIXING; NUCLEAR EXPLOSIONS; OSCILLATIONS; PROJECT HARDTACK; RADIATION DOSES; RADIOACTIVITY; SAFETY; SAMPLING; STRATOSPHERE; STRONTIUM 90; TRANSPORT; TUNGSTEN

185
AUTH: STEBBINS A.K.

CLSS: U

CORP: ISOTOPES INCORPORATED (WESTWOOD-NEW JERSEY)

DATE: 5912

DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear radiation transport

DESC: test instruments nuclear radiation fallout debris sampling collectors

DESC: SUMMARY EXPERIMENTAL

DESC: Solid Mechanics

DESC: Nuclear Weapon Environment fallout transfer

DESC: Nuclear Weapon Environment Fallout isotope concentrations

REPN: DASA 0531

SUJO: 2-223-100 ; 2-224-300 ; 4-140-000 ; 4-345-000 ; 9-200-000

TITL: THIRD ANNUAL HASP BRIEFING (U), 116 P (U)

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DASA 0531

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copy: 1 id: 73993-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 0532B

ABS: The results of the HASP program to determine the role played by the stratosphere in the world-wide distribution of radioactive fall-out from nuclear weapons tests are presented. The program has operated since the fall of 1957. The sampling network using U-2

aircraft collected 10×10^8 scf of air from 57 deg S to 71 N up to 70,000 ft. Ashcan data are used for upward extrapolation. IPC Paper 1478 of near 100% efficiency is used. Stratospheric matter sampled is in the 0.01 micron range. Stratospheric inventories of Sr-90 were calculated for the periods Nov. 1957 to Dec. 1958, Jan. to Aug 1959, and Sept. to Nov. 1959 to be, respectively, 0.95, 0.81, and 0.7 megacuries. Concentrations were greater in the Northern Hemisphere by a factor of 2 to 3 than in the Southern Hemisphere.

ABS: The Sr-90 maximum occurs in the equatorial regions around 90,000 ft and slopes down to around 70,000 ft in the polar regions. Little fractionation is noted in stratospheric debris. Cesium-137 to strontium-90 ratios are 1.8 to 0.5. A semiempirical application of Gauss's diffusion is described which suggests that hot clouds injected in the equatorial stratosphere spread in the North-South direction with mixing coefficients near 5×10^8 cmsq/sec. Vertical mixing is slower with coefficients of 4×10^3 and 2×10^4 cmsq/sec suggested for tropical and polar regions, respectively. An Injection-Depletion model is offered which indicates that as much as 50% of the material Produced in 1-Mt ground-surface burst comes down in local fall-out.

ABS: Removal from the stratosphere occurs at different rates, depending on altitude and latitude of injection and season of the year. Effective half-residence times of 5, 10, and 20 months, respectively, for polar, low-equatorial and high-equatorial debris are suggested. Surface concentrations of Sr-90 are displayed as a function of latitude and time. The Northern Hemisphere carries three fourths of the burden. The maximum burden of Sr-90 is predicted to occur in 1961; however, concentrations in food have probably reached

is their maximum value. The radiation hazard from fall-out
 summarized. Fallout has increased the dose man receives
 from the natural-radiation background by about 2%. (auth) DECAY;
 DIFFUSION; DISPERSIONS; DISTRIBUTION; FILTERS; FISSION PRODUCTS;
 INJECTION; LEVELS;
 ABS: MIXING; NUCLEAR EXPLOSIONS; QUANTITY RATIO; RADIATION
 DOSES;
 RADIOACTIVITY; RESIDUES; SAMPLING; SEASONS; STANDARDS;
 STRATOSPHERE;
 STRONTIUM 90;
 ADNO: 240642
 AUTH: STEBBINS A.K.
 CLSS: U
 CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-DC)
 DATE: 6006
 DESC: HASP GLOBAL OBSERVATIONS STRATOSPHERIC OBSERVATION ;
 EXPERIMENTAL
 THEORY
 DESC: Nuclear Weapon Environment fallout transfer L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 REPN: DASA 532 B
 SUJO: 2-223-100 ; 2-224-300 ; 3-312-220
 TITL: HIGH ALTITUDE SAMPLING PROGRAM-SPECIAL REPORT, TECHNICAL
 ANALYSIS
 REPORT (U),228 P (U)
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 DASA 0532B
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 0615
 ADNO: 511467
 CLSS: SRD 1
 CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-DC)
 DATE: 5908
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L5
 DESC: Nuclear Weapon Effects structures aboveground buildings
 L9 MODERATE
 DAMAGE P14
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L9 P13

DESC: Nuclear Weapon Environment Airblast static overpressure
 OVERPRESSURE.L1 BASE SURGE SURFACE WAVES
 DESC: WATER SURFACE BURST HIGH YIELD ; THEORY
 DESC: Nuclear Weapon Effects on animals thermal burns heating
 L9 P 13
 DESC: Nuclear Weapon Effects flight systems airplanes L9
 IMMOBILIZING
 DAMAGE P 14
 DESC: Nuclear Weapon Effects ship systems submarines L9 P 13
 REPN: DASA 0615
 SUJO: 2-225-100 ; 2-611-000 ; 3-111-000 ; 3-121-000 ;
 3-251-000 ;
 3-312-100 ; 3-313-100
 TEMP: 73059
 TITL: SUMMARY REPORT OF DEEP WATER EFFECTS OF VERY HIGH YIELD
 WEAPONS (U),
 22 P, (SRD)
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 DASA 0615
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 copy: 1 id: 74004-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 1136
 AUTH: MARTIN S.B.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 5904
 DESC: Nuclear Weapon Effects materials wood paper cellulose
 films
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 DESC: THEORY
 REPN: DASA 1136 ; USNRDL TR 352
 SUJO: 3-246-000 ; 9-710-000
 TITL: SIMPLE RADIANT HEATING METHOD FOR DETERMINING THE
 THERMAL
 DIFFUSIVITY OF CELLULOSIC MATERIALS (U), 13 P (U)
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 DASA 1136
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 1142
 AUTH: MARTIN S.B. ; RAMSTAD R.W.
 CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 5905
DESC: Nuclear Weapon Effects materials wood paper cellulose
films
DESC: EXPERIMENTAL
REPN: USNRDL TR 353 ; DASA 1142 ; NS 081 001
SUJO: 3-246-000
TITL: TEMPERATURE PROFILES IN THERMALLY IRRADIATED CELLULOSE
ACCOMPANYING
ITS SPONTANEOUS IGNITION (U), 9 P (U)

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DASA 1142

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copy: 1 id: 74028-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1148
ADNO: 227095
AUTH: DE LEHRY G.P. ; DERKSEN W.L. ; GARDE E.A. ; MONAHAN T.I.
; MIXTER

G.JR.

CLSS: U

CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW
YORK)

DATE: 5905

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals thermal burns heating

REPN: TECH OBJ AW 7 ; DASA 1148

SUJO: 3-313-100

TITL: BURNS UNDER A HOT-WET UNIFORM SPACED FROM SKIN FOR
NUCLEAR WEAPON

PULSES OF THERMAL RADIATION, FINAL REPORT (U), 30 P (U)

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DASA 1148

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copy: 1 id: 74032-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1163
AUTH: GIVVONS M.G. ; NICHOLS J.R.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 5912

DESC: Environmental Conditions at Nuclear Weapon Test Site
weather L9 P1

DESC: SIMULATION (FLASH LAMP) FIREBALL TRANSMISSIVITY ;

EXPERIMENTAL

DESC: Nuclear RDT&E Research Program Descriptions thermal
optical L5

DESC: Equation of State of Air L1 NTS VISIBLD AND NEAR 1R

REPN: DASA 1163

SUJO: 4-180-000 ; 4-841-000 ; 5-300-000

TITL: TRANSMISSION AND SCATTERING PROPERTIES OF A NEVADA
DESERT ATMOSPHERE
(U), 36 P, (U)

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DASA 1163

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copy: 1 id: 74046-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1173

ADNO: 237555

AUTH: CARTER J.A. ; MCGREEVY J.M.

CLSS: U

CORP: NAVY/MATERIAL LABORATORY (BROOKLYN-NY)

DATE: 6001

DESC: SUMMARY

DESC: Simulation Facilities Techniques thermal optical L1

REPN: AW 7 ; DASA 1173

SUJO: 4-280-000

TITL: RADIANT HEAT SOURCES EMPLOYED IN THERMAL RADIATION
STUDIES (U) FINAL
REPORT, CIRCA 50 P, (U)

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DASA 1173

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copy: 1 id: 74051-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1179

ADNO: 239955

AUTH: DERKSEN W.L. ; MONAHAN T.I. ; DE LHERY G.P.

CLSS: U

CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW
YORK)

DATE: 6001

DESC: Nuclear Weapon Effects on animals thermal burns heating

DESC: test instruments biomedical simulants phantoms models

DESC: EXPERIMENTAL

REPN: TECH OBJ AW 7 ; DASA 1179

SUJO: 3-313-100 ; 4-352-000

TITL: TEMPERATURE HISTORIES ASSOCIATED WITH THERMAL RADIATION
BURNS TO

HUMAN SKIN, FINAL REPORT (U), 17 P (U)

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DASA 1179

.endblock

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copy: 1 id: 74057-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1180
AUTH: WOODWARD K.T. ; SCHRODT A.G. ; ANDERSON J.E. ; CLAYPOOL
H.A. ;

HARTGERING J.B.

CLSS: U
CORP: ARMY/WALTER REED ARMY MEDICAL CENTER (WASHINGTON-D.C.)
DATE: 6000
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal

DESC: EXPERIMENTAL

REPN: DASA 1180

SHOT: BRAVO

TSHO: SURFACE

SUJO: 3-312-220

TITL: DETERMINATION OF INTERNALLY DEPOSITED RADIOACTIVE
ISOTOPES IN THE

MARSHALLESE PEOPLE BY EXCRETION ANALYSIS (U), 22 P (U)

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DASA 1180

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copy: 1 id: 74058-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1186
AUTH: MARTIN S.B. ; RAMSTAD R.W.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6010
DESC: test instruments EM propagation atmospheric chemistry
plasma

ionospheric diagnostics L1

REPN: USNRDL TR 467 ; DASA 1186

SUJO: 4-325-000

TITL: COMPACT TWO-STAGE GAS CHROMATOGRAPH FOR FLASH PYROLYSIS
STUDIES (U),

14 P (U)

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DASA 1186

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copy: 1 id: 74061-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1192
AUTH: GIBBONS M.G. ; LAUGHRIDGE F.I. ; NICHOLS J.R. ; KRAUSE
N.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6008
DESC: NEVADA ; EXPERIMENTAL
DESC: Environmental Conditions at Nuclear Weapon Test Site
weather
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
REPN: USNRDL TR 461 ; DASA 1192
SUJO: 4-841-000 ; 5-200-000
TITL: TRANSMISSION AND SCATTERING PROPERTIES OF A NEVADA
DESERT ATMOSPHERE
UNDER CLOUDY CONDITIONS (U), 29 P (U)

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DASA 1192

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copy: 1 id: 74067-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1196
AUTH: SWANSON R.W.
CLSS: U
CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-D.C.)
DATE: 6011
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

DESC: Nuclear Weapon Phenomenology cloud shape size
DESC: BIBLIOGRAPHY SUMMARY
REPN: DASA 1196
SUJO: 2-223-200 ; 2-224-140 ; 4-140-000
TITL: CONFERENCE ON DELAYED FALLOUT (U), 33 P (U)

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DASA 1196

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copy: 1 id: 74071-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1202
ADNO: 252021
CLSS: U
CONN: DA 49 146 XZ 022
CORP: HUGHES AIR CRAFT COMPANY (CULVER CITY-CA)
DATE: 6102
DESC: SURVEY
DESC: test instruments nuclear radiation neutron L1
REPN: DASA 1202
SUJO: 4-342-000
TITL: STUDY OF NEUTRON-ELECTRON MULTIPLIERS, FINAL REPORT (U),
61 P (U)
TREE: 652

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DASA 1202

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copy: 1 id: 74079-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1203
ADNO: 260375
AUTH: BAILY N.A. ; WIGGINS J.S.
CLSS: U
CONN: DA 49 146 XZ 016
CORP: HUGHES AIRCRAFT COMPANY (CULVER CITY-CA)
DATE: 6104
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1
DESC: SUMMARY EXPERIMENTAL
DESC: test instruments nuclear radiation L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
REPN: DASA 1203
SUJO: 3-221-000 ; 3-224-000 ; 4-340-000
TITL: PHYSICAL PARAMETERS AFFECTING PERFORMANCE OF P-N
JUNCTION DETECTORS
(U), FINALREPORT, 246 P (U)

TREE: 364

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DASA 1203

.endblock

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copy: 1 id: 74080-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1221
CLSS: U
CONN: NONR 3071 (00)
CORP: SCIENCE COMMUNICATION INCORPORATED (WASHINGTON-D.C.)
DATE: 6008
DESC: Composition Chemistry Atmosphere Reaction Rates
DESC: test instruments test hardware pressure stress
DESC: test instruments EM propagation atmospheric chemistry
direct probes
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: TABULAR
DESC: General Atmospheric Properties
REPN: DASA 1221
SUJO: 4-311-000 ; 4-327-000 ; 4-343-000 ; 5-100-000 ;
5-400-000
TITL: PROPERTIES OF THE UPPER ATMOSPHERE, ROCKETSONDE AND
SATELLITE
MEASUREMENTS OF PRESSURE, TEMPERATURE, DENSITY, AND
COMPOSITION
THROUGH EARLY 1960 (U), 30 P (U)

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DASA 1221

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copy: 1 id: 74087-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1223
ADNO: 323821L
AUTH: DYCE R.B.
CLSS: SFRD 1
CONN: DA 49 146 XZ 054
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6101
DESC: Nuclear weapon test timing position firing data L1
DESC: Nuclear Test Simulation Field Programs experiment design
optical
radiation experiments UV visible IR L1
DESC: Nuclear Weapon Environment Induced Geomagnetic
Hydromagnetic
Perturbations L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry
general descriptions L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow
fluorescence L1
DESC: SURFACE OBSERVATION TROPOSPHERIC OBSERVATION
STRATOSPHERIC

OBSERVATION LONG RANGE OBSERVATION ; SUMMARY
EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude auroras L1
DESC: Nuclear Weapon Effects EM Propagation reflection clutter
fireball
DESC: disturbed ionosphere L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
DESC: distribution energy spectrum L1
DESC: Nuclear Weapon Effects EM Propagation absorption
blackout L1
REPN: DASA 1223
SHOT: ARGUS I ; ARGUS II ; ARGUS III
TSHO: HI-ALT
SUJO: 2-211-000 ; 2-214-000 ; 2-215-000 ; 2-311-000 ;
2-321-100 ;
2-321-310 ; 2-510-000 ; 2-530-000 ; 4-820-600 ;
4-834-000
TEMP: 23475
TITL: PROJECT ARGUS, REPORT OF THIRD WORKING GROUP, 17 THROUGH
20 JANUARY
1961 (U), 97 P (SFRD)
.block
DASA 1223
.endblock
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copy: 1 id: 74089-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1224
AUTH: MEYEROTT R.E. ; LANDSHOFF R.K.M. ; HILLENDahl R.W. ;
MAGEE J.L.
CLSS: SRD 1
CORP: LOCKHEED MISSILES AND SPACE COMPANY (SUNNYVALE-CA) ;
UNIVERSITY OF
NOTRE DAME (SOUTH BEND-IN)
DATE: 6011
DESC: Nuclear Weapon Environment Thermal Output source
strength total
DESC: intensity L1
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: test instruments thermal temperature L1
DESC: SUMMARY EXPERIMENTAL
DESC: Composition Chemistry Atmosphere Reaction Rates L1
REPN: DASA 1224 ; LMSD 703048
SUJO: 1-210-000 ; 1-240-000 ; 4-384-000 ; 5-400-000
TEMP: 25084
TITL: THERMAL RADIATION PHENOMENA ASSOCIATED WITH NUCLEAR
EXPLOSIONS IN
AIR (U), CIRCA 170 P (SRD)
.block
DASA 1224

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copy: 1 id: 74090-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1255
AUTH: BROIDO A. ; MARTIN S.B.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6110
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials wood paper cellulose
films
REPN: DASA 1255 ; USNRDL TR 536
SUJO: 3-246-000
TITL: EFFECT OF POTASSIUM BICARBONATE ON THE IGNITION OF
CELLULOSE BY
THERMAL RADIATION (U), 20 P (U)

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DASA 1255

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copy: 1 id: 74112-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1256
AUTH: SCHLEIGER E.R. ; NICHOLS J.R. ; LAUGHRIDGE R.I.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6110
DESC: LOS ANGELES CALIFORNIA ; EXPERIMENTAL
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
REPN: DASA 1256 ; USNRDL TR 554
SUJO: 5-200-000
TITL: TRANSMISSION AND SCATTERING PROPERTIES OF THE LOS
ANGELES,
CALIFORNIA ATMOSPHERE IN AUGUST AND SEPTEMBER 1960 (U),
91 P (U)

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DASA 1256

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copy: 1 id: 74113-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1275
ADNO: 273861
CLSS: U
CONN: DA 49 146 XZ 016
CORP: HUGHES AIRCRAFT COMPANY (CULVER CITY-CALIFORNIA)
DATE: 6202
DESC: THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation gamma
DESC: test instruments x-ray effects
REPN: DASA 1275
SUJO: 4-330-000 ; 4-341-000
TITL: RESEARCH STUDY OF SURFACE BARRIER DETECTORS, FINAL
REPORT (U), 124 P
(U)

TREE: 651

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DASA 1275

.endblock

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copy: 1 id: 74133-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1300-1
ADNO: 267616
AUTH: FRIEND J.P. ; FEELY H.W. ; KREY P.W. ; SPAR J. ; WALTON
A.

CLSS: U

CONN: DA 29 044 XZ 609

CORP: ISOTOPES INCORPORATED (WESTWOOD-NJ)

DATE: 6108

DESC: HASP STRATOSPHERIC DEBRIS ; SUMMARY

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

DESC: test instruments nuclear radiation fallout debris
sampling

collectors L1

REPN: DASA 1300 1

SUJO: 4-140-000 ; 4-345-000

TITL: HIGH ALTITUDE SAMPLING PROGRAM (U), VOLUME 1, HASP
PURPOSE AND
METHODS, FINAL REPORT, 216 P, (U)

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DASA 1300-1

.endblock

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copy: 1 id: 74157-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1300-4

ADNO: 267613
 AUTH: FRIEND J.P. ; FEELY H.W. ; KREY P.W. SPAR J. ; WALTON A.
 CLSS: U
 CONN: DA 29 044 XZ 609
 CORP: ISOTOPES INCORPORATED (WESTWOOD-NJ)
 DATE: 6108
 DESC: Nuclear Weapon Environment fallout transport
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1 SR 90 W
 185 CS 137 C 14
 DESC: SUMMARY EXPERIMENTAL
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L1
 DESC: Nuclear Weapon Environment fallout transfer L1
 REPN: DASA 1300 4
 SUJO: 2-223-100 ; 2-224-200 ; 2-224-300 ; 2-225-100 ;
 3-312-220
 TITL: HIGH ALTITUDE SAMPLING PROGRAM, VOLUME 4, THE
 APPLICATION OF HASP
 DATA (U), FINAL REPORT, 146 P (U)
 .block
 DASA 1300-4
 .endblock
 .block
 copy: 1 id: 74161-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: DASA 1300-5
 ADNO: 267495
 AUTH: FRIEND J.P. ; FEELY H.W. ; KREY P.W. ; SPAR J. ; WALTON
 A.
 CLSS: U
 CONN: DA 29 044 XZ 609
 CORP: ISOTOPES INCORPORATED (WESTWOOD-NJ)
 DATE: 6108
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors L5
 DESC: HASP STRATOSPHERIC OBSERVATION SR 90 RU 106 CS 137 CE
 144 ; NEW
 JERSEY ; EXPERIMENTAL SUMMARY
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1 C 14
 TRITIUM TROPOSPHERIC OBSERVATION SURFACE OBSERVATION
 DESC: Nuclear Weapon Environment Fallout Particles chemical
 composition
 solubility L1
 DESC: Nuclear Weapon Environment Fallout Particles size
 distribution L1

REPN: DASA 1300 5
SUJO: 2-222-100 ; 2-222-300 ; 2-223-100 ; 4-345-000
TITL: HIGH ALTITUDE SAMPLING PROGRAM (U), VOLUME 5,
SUPPLEMENTARY HASP
STUDIES, 313 P, (U)

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DASA 1300-5

.endblock

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copy: 1 id: 74162-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1311
ADNO: 359894L
AUTH: DUDZIAK W.F. ; EWALD A.T. ; KLEINECKE D.C. ; KLINGENBERG
E.W. ;

KOSTIGEN T.J.

CLSS: U

CCDE: TECH/OPS ; PUFF ; HANDE ; WEPH

CONN: DA 49 146 XZ 038

CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)

DATE: 6212

DESC: Radiation Transport L5

DESC: IONIZATION CODES ; SUMMARY CODE

DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry L1

DESC: Nuclear Weapon Effects EM Propagation absorption

blackout L5

DESC: Fluid Mechanics hydrodynamics L1 DESCRIPTION OF COMPUTER
CODES

REPN: RM 62 TMP 48 ; DASA 1311

SUJO: 2-310-000 ; 2-321-100 ; 9-410-000 ; 9-600-000

TEMP: 83461

TITL: USEFUL HIGH-ALTITUDE NUCLEAR EFFECTS COMPUTER PROGRAMS
(U), 52 P (C)

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DASA 1311

.endblock

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copy: 1 id: 74172-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1318
ADNO: 289567
AUTH: MEHLHORN H.A. ; CLARKE E.T. ; GOLD R. ; MCMATH R.
CLSS: U
CONN: DA 49 146 XZ 035
CORP: TECHNICAL OPERATIONS INCORPORATED
(BURLINGTON-MASSACHUSETTS)
DATE: 6209

DESC: Cross Sections gamma
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 DESC: THEORY EXPERIMENTAL
 DESC: Simulation Facilities Techniques nuclear radiation
 fallout
 simulation
 REPN: DASA 1318 ; TO B 62 13
 SUJO: 2-223-200 ; 4-242-000 ; 4-341-000 ; 9-830-000
 TITL: ATTENUATION OF POINT SOURCE GAMMA RADIATION IN SLABS,
 FINAL REPORT
 (U), 71 P (U)
 TREE: 411
 .block
 DASA 1318
 .endblock
 .block
 copy: 1 id: 74185-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: DASA 1327
 ADNO: 342411
 CLSS: U
 CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA
 BARBARA-CALIFORNIA)
 DATE: 6210
 DESC: SURVEY
 DESC: Nuclear Weapon Phenomenology High-Altitude injection
 trapping
 DESC: Nuclear Weapon Effects space systems
 DESC: Nuclear Weapon Environment Induced Synchrotron Noise
 REPN: DASAC SR 004 ; DASA 1327
 SHOT: STARFISH
 TSHO: HI-ALT
 SUJO: 2-217-000 ; 2-420-000 ; 3-114-000
 TEMP: 81763
 TITL: PROCEEDINGS, THE ARTIFICIAL RADIATION BELT (U), 381 P
 (S)
 .block
 DASA 1327
 .endblock
 .block
 copy: 1 id: 74193-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: DASA 1340
 AUTH: PARKER W.J.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN

FRANCISCO-CA)

DATE: 6212

DESC: Nuclear Weapon Environment Visible Output rate L1

DESC: Nuclear Weapon Environment Infrared Output rate L1 NEAR
1R

DESC: Nuclear Weapon Environment Visible Output energy
spectrum L1

DESC: DATA EXPERIMENTAL

DESC: Nuclear Weapon Environment Ultraviolet Output rate L1
NEAR UV

DESC: Nuclear Weapon Environment Infrared Output energy
spectrum L1 NEAR

1R

DESC: Nuclear Weapon Environment Ultraviolet Output energy
spectrum L1

NEAR UV

REPN: DASA 1340 ; USNRDL TR 615

SHOT: BEE ; MOTH ; TESLA ; PRISCILLA

TSHO: LOW-ALT

SUJO: 1-320-000 ; 1-340-000 ; 1-420-000 ; 1-440-000 ;
1-520-000 ;

1-540-000

TITL: SPECTRAL DISTRIBUTION OF THE THERMAL RADIATION FROM
THREE LOW YIELD

NUCLEAR DETONATIONS (U), 31 P, (U)

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DASA 1340

.endblock

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copy: 1 id: 74206-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1341

ABS: The nature of certain critical lesions seen after
exposure to air

blast is described. The early lethality characterizing
primary and

tertiary blast damage is emphasized along with the
seriousness of

injuries caused by blastenergized debris. Tentative
criteria are

developed to the end that different levels of
environmental

variations caused by blast phenomena could be
quantitatively related

to various levels of biological response. Using the
free-field

scaling laws and a mathematical model whereby
translational

velocities can be computed for animate and inanimate
objects, the

criteria are applied to nuclear explosions ranging in

yield from 1

kt to 100 Mt. Thus, it is possible to specify, as a function of yield, the hazard ranges inside which various blast injuries might occur.

ABS: At these ranges the associated levels of initial nuclear and thermal

radiation were computed to allow at least some assessment of the relative importance of all the major hazards from nuclear

detonations. (auth) ATMOSPHERE; BIOLOGY; COMPUTERS; EFFICIENCY;

ENVIRONMENT; FALLOUT; MATHEMATICS; NUCLEAR EXPLOSIONS;

RADIATION

EFFECTS; RADIATION INJURIES; STANDARDS; THERMAL RADIATION;

VARIATIONS

AUTH: WHITE C.S. ; BOWEN I.G. ; RICHMOND D.R.

CLSS: U

CONN: DA 49 146 XZ 055

CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH (ALBUQUERQUE-NM)

DATE: 6211

DESC: Nuclear Weapon Effects on animals blast shock L1

DESC: SUMMARY

REPN: DASA 1341

SUJO: 3-311-000

TITL: ENVIRONMENTAL MEDICAL ASPECTS OF NUCLEAR BLAST (U), 49 P, (U)

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DASA 1341

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copy: 1 id: 74207-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1347

AUTH: GREENDALE A.E. ; LOVE D.L.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)

DATE: 6201

DESC: test instruments nuclear radiation fallout debris sampling

collectors

DESC: EXPERIMENTAL

REPN: DASA 1347 ; USNRDL TR 607

SUJO: 4-345-000

TITL: RAPID RADIOCHEMICAL PROCEDURE FOR ANTIMONY AND ARSENIC (U), 16 P (U)

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DASA 1347

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copy: 1 id: 74212-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1368 1

ADNO: 456185L

AUTH: SAXON D.S.

CLSS: U

CORP: E.H. PLESSET ASSOCIATES INCORPORATED (LOS ANGELES-CA)

DATE: 6206

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1

DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
L1 EARLY

TIME

DESC: Orbital Mechanics L1

DESC: Nuclear Weapon Environment radiation decay gamma decay
L1

DESC: THEORY

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L1 EARLY TIME

REPN: PLESS 55148 ; DASA 1368 1

SUJO: 1-710-000 ; 1-720-000 ; 2-223-200 ; 2-223-420 ;
9-100-000

TITL: PROMPT GAMMA-RAYS (U), 53 P, (U)

TREE: 910

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DASA 1368 1

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copy: 1 id: 74236-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1368 2

ADNO: 456183L

AUTH: ALEXANDROV I.

CLSS: U

CORP: E.H. PLESSET ASSOCIATES INCORPORATED (LOS ANGELES-CA)

DATE: 6210

DESC: THEORY

DESC: Orbital Mechanics L1

DESC: Nuclear Weapon Environment radiation decay L1

REPN: PLESS 55428 DRAFT ; DASA 1368 2

SUJO: 2-223-400 ; 9-100-000

TITL: THEORY OF FISSION AND FUSION NEUTRON SPECTRA (U), 24 P,
(U)

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DASA 1368 2
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copy: 1 id: 74238-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DNA 1251 1
ABS: The present volume, an indexed bibliography, is the
first of the series of reports that will comprise the compilation and
evaluation. The bibliography lists 206 reports which contain
relevant information. It makes available a ready reference to the
sources while the selection and the compilation of the data
continues. The volume consists of an index to references by fallout
characteristics, an index to references by authors
names, and the List of References.

ADNO: 349123
AUTH: KAWAHARA F.K. ; LEE H.
CLSS: C 1
CONN: DA 18 108 AMC 188 (A)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6106
DESC: Nuclear Weapon Environment radiation decay L1
DESC: Nuclear weapon test yield L1
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: Environmental Conditions at Nuclear Weapon Test Site
weather L1
DESC: Nuclear Weapon Phenomenology UGT Debris in tunnels
DESC: Nuclear Weapon Phenomenology cloud Motion L1
DESC: Nuclear Weapon Phenomenology cloud shape size L1
DESC: Nuclear Weapon Environment fallout Deposition L1
DESC: Nuclear Weapon Environment Fallout Radioproperties L1
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
DESC: Environmental Conditions at Nuclear Weapon Test Site
DESC: Nuclear Weapon Environment Fallout Particles size
distribution
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1

DESC: Nuclear Weapon Environment dust moisture injection
 atmosphere
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
 Rates L1
 DESC: ROANOKE KAWEA ; BIBLIOGRAPHY
 DESC: Nuclear weapon test timing position firing data L1
 DESC: Nuclear Weapon Environment Fallout Formation mechanics
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 DESC: Nuclear Weapon Environment Fallout Particles L1
 DESC: Nuclear Weapon Environment Thermal Output rate L1
 DESC: Nuclear Weapon Environment Fallout beta intensities L1
 REPN: DASA 1251 V.1 ; USNRDL 469
 SHOT: TRINITY ; NAGASAKI (HIROSHIMA) ; WORLD WAR II ;
 (NAGASAKI) ; ABLE
 (CROSSROADS) ; BAKER (CROSSROADS) ; X-RAY ; YOKE ; ZEBRA
 ; ABLE
 (RANGER) ; BAKER (RANGER) ; EASY (RANGER) ; FOX (RANGER)
 ; BAKER 2
 (R) ; (GREENHOUSE) ; EASY (GREENHOUSE) ; GEORGE (GH) ;
 ITEM ; ABLE
 (BJ) ; BAKER (BJ) ; CHARLIE (BJ) ; DOG (BJ) ; EASY (BJ)
 ; SUGAR ;
 UNCLE ; ABLE (TS) ; BAKER (TS) ; CHARLIE (TS) ; DOG (TS)
 ; EASY (TS)
 ; FOX (TS) ; GEORGE (TS) ; HOW ; MIKE ; KING ; ANNIE ;
 NANCY ; RUTH
 ; DIXIE ; RAY ; BADGER ; SIMON ; ENCORE ; HARRY ; GRABLE
 ; CLIMAX ;
 ROMEO ; BRAVO ; UNION ; YANKEE ; NECTAR ; KOON ; WASP ;
 MOTH ; TESLA
 ; TURK ; HORNET ; BEE ; ESS ; APPLE I ; WASP PRIME ; HA
 ; POST ; MET
 ; APPLE II ; WIGWAM ; ZUCCHINI ; PROJECT 56 4 ; LACROSSE
 ; CHEROKEE
 ; ZUNI ; YUMA ; ERIE ; SEMINOLE ; FLATHEAD ; BLACKFOOT ;
 KICKAPOO ;
 OSAGE ; INCA ; DAKOTA ; MOHAWK ; APACHE ; NAVAJO ; TEWA
 ; HURON
 TSHO: LOW ALT ; UNDERWATER ; SURFACE ; WATER SURFACE ;
 UNDERGROUND.
 SUJO: 1-240-000 ; 2-110-000 ; 2-221-000 ; 2-222-000 ;
 2-222-300 ;
 2-222-400 ; 2-223-000 ; 2-223-100 ; 2-223-200 ;
 2-223-300 ;
 2-223-400 ; 2-224-000 ; 2-224-140 ; 2-225-000 ;
 2-225-100 ;
 2-231-000 ; 2-625-000 ; 2-627-000 ; 4-834-000 ;
 4-835-000 ;
 4-836-000 ; 4-840-000 ; 4-841-000
 TEMP: 47163
 TITL: LOCAL FALLOUT FROM NUCLEAR TEST DETONATIONS; VOL. 1,
 INDEXED
 BIBLIOGRAPHY OF UNITED STATES AND BRITISH DOCUMENTS ON

CHARACTERISTICS OF LOCAL FALLOUT (U), 230 P (C)

TNFF: 4860

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DNA 1251 1

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copy: 1 id: 75735-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: EMP 2-2-27

ABS: The gamma rays from a nuclear explosion in space
Compton-scatter
electrons near the surface of the device or in a
surrounding
material shield. The scattered electrons leave the
surface and are
accelerated back toward it by the positively charged
matter.
Provided they are asymmetrically distributed, the
accelerating
electrons radiate an electromagnetic signal. The
electron motions
are analyzed, the electromagnetic signal is estimated,
and its
detectability is discussed. For a typical nuclear
explosion, the
electromagnetic signal is independent of the yield and
contains
frequencies up to 10 to 100 megacycles per second and
thus will
penetrate the ionosphere.

ABS: Taking into account dispersion by the ambient
interplanetary plasma
(approx. equal 10 squared electrons/cc), the peak
electric field
strength at a distance R kilometers from the explosion
is approx.
equal 10 to the 4th, R to the -3/2 volts/meter. The
pulse length is
approx. equal 10 to the -10 R sec. If only background
cosmic noise
limits detectability of the signal, the maximum
detectable range is
about 10 to the 6th km.

AUTH: Karzas W.J. ; Latter R.

CLSS: U

CORP: Rand Corp. (Santa Monica, CA)

DATE: 6110

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP

DESC: nuclear test detection EMP earth current detection

DESC: THEORY

EMPF: 270 ; 221
REPN: RM 2849 AFT
TSHO: HI-ALT
SUJO: 2-510-000 ; 4-914-000
SYMJ: Electromagnetic Pulse Theoretical Notes; Vol. 2, Notes
22 through 48
(U)
TITL: Electromagnetic Radiation from a Nuclear Explosion in
Space (U), 35
P(U)

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EMP 2-2-27

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copy: 1 id: 45973-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: FWE 198
AUTH: JANISCH D.B.B.
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5907
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1
DESC: test instruments nuclear radiation dosimeters radiacs L1
REPN: FWE 198 ; AWRE T 6/58
SHOT: BRITISH (57-09-25)
TSHO: LOW-ALT
SUJO: 2-223-200 ; 4-346-000
TEMP: B8911 ; A8010
TITL: USE OF RADIAC SURVEY METERS NOS. 2 AND 3 2N AERIAL
SURVEYS OF
RADIOACTIVE AREAS (U), 16 P., (C)
TREE: 655

.block

FWE 198

.endblock

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copy: 1 id: 82536-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: FWE 199
AUTH: EVANS D.J.
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5904
DESC: Nuclear Weapon Effects on animals blast shock

translation L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals thermal burns heating
L1

EFFT: THERMAL ; AIR-BLAST

REPN: FWE 199 ; AWRE T 17/58

SHOT: BRITISH (56-09-27)

TSHO: LOW-ALT

SUJO: 3-311-200 ; 3-313-100

TEMP: B8912 ; A8062

TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL

RADIATION FROM A NUCLEAR EXPLOSION; PT. 1, GENERAL
INTRODUCTION (U),

22 P., (C)

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FWE 199

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copy: 1 id: 82537-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: FWE 200

AUTH: GORDON D.

CLSS: C

CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)

DATE: 5905

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects materials fibers textiles L1

EFFT: THERMAL

REPN: FWE 200 ; AWRE T 12/58

SHOT: BRITISH (56-09-27)

TSHO: LOW-ALT

SUJO: 3-242-000

TEMP: B8913 ; A8061

TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL

RADIATION FROM A NUCLEAR EXPLOSION; PT. 2, EFFECTS ON
TEXTILES (U),

37 P., (C)

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FWE 200

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created: 12/27/1991 type: REPORT permanent

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INUM: FWE 201

CLSS: C

CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5905
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Nuclear Weapon Effects materials coatings laminates L1
EFFT: THERMAL
REPN: FWE 201
SHOT: BRITISH (56-09-27)
TSHO: LOW-ALT
SUJO: 3-244-000 ; 3-245-000
TEMP: B8914 ; A8057
TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL RADIATION FROM A NUCLEAR EXPLOSION; PTS. 3, 4, AND 5,
EFFECTS ON PLASTICS, RUBBERS, AND PAINTS (U), 64 P., (C)

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FWE 201

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copy: 1 id: 82539-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: FWE 202
AUTH: HAND N.E.
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5905
DESC: Nuclear Weapon Effects on animals thermal burns heating
L1
DESC: Nuclear Weapon Effects materials fibers textiles L1
DESC: EXPERIMENTAL
EFFT: THERMAL
REPN: FWE 202 ; AWRE T 11/58
SHOT: BRITISH (56-09-27)
SUJO: 3-242-000 ; 3-313-100
TEMP: B8915 ; A8058
TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL RADIATION FROM A NUCLEAR EXPLOSION; PT. 6, EFFECTS ON
SERVICE UNIFORMS (U), 24 P., (C)

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FWE 202

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copy: 1 id: 82540-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: FWE 203
AUTH: EVANS D.J.
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5905
DESC: Nuclear Weapon Effects supply containers L1
DESC: Nuclear Weapon Effects materials fibers textiles L1
DESC: EXPERIMENTAL
EFFT: THERMAL ; AIR-BLAST
REPN: FWE 203 ; AWRE T 29/58
SHOT: BRITISH (56-09-27)
TSHO: LOW-ALT
SUJO: 3-172-000 ; 3-242-000
TEMP: B8916 ; A8064
TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL
RADIATION FROMA NUCLEAR EXPLOSION; PT. 7, EFFECTS ON
PACKAGING
MATERIALS (U), 20 P., (C)

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FWE 203
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 204
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
BERKS, UK)
DATE: 5906
DESC: Nuclear Weapon Effects flight systems airplanes
structures L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects supply personnel protection
equipment L1
EFFT: THERMAL ; AIR-BLAST
REPN: FWE 204 ; AWRE T 28/58
SHOT: BRITISH (56-09-27)
TSHO: LOW-ALT
SUJO: 3-111-100 ; 3-173-500
TEMP: B8917 ; A8063
TITL: OPERATION BUFFALO TARGET RESPONSE TESTS; EFFECTS OF THE
THERMAL
RADIATION FROMA NUCLEAR EXPLOSION; PT. 9 (A-C), EFFECTS
ON CHEMICAL
WARFARE EQUIPMENT, FLAME-THROWER FUEL, AND AIRCRAFT
WINDSCREENS (U),
30 P., (C)

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FWE 204

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 218
AUTH: BRINKWORTH B.J.
CLSS: C
CORP: ROYAL AIRCRAFT ESTABLISHMENT (UK)
DATE: 5906
DESC: Nuclear Weapon Effects flight systems airplanes
structures L1 SKIN
TEMPERATURE RISE
EFFT: THERMAL
REPN: FWE 218
SUJO: 3-111-100
TEMP: B8931 ; A7860
TITL: SKIN TEMPERATURE RISE IN AN AIRCRAFT EXPOSED TO THERMAL
RADIATION
FROM A NUCLEAR EXPLOSION (U), 24 P., (C)

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FWE 218
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 236
AUTH: BRINKWORTH B.J.
CLSS: C
CORP: ROYAL AIRCRAFT ESTABLISHMENT (FARNBOROUGH, ENGLAND)
DATE: 5911
DESC: THEORY
DESC: Nuclear Weapon Effects flight systems airplanes
structures L1
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity L1
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1
EFFT: THERMAL
REPN: RAE R MECH ENG 21 ; FWE 236
SUJO: 1-210-000 ; 3-111-100 ; 5-200-000
TEMP: B8946 ; A8006
TITL: SOME EFFECTS OF THE ENVIRONMENT ON THE POLAR
DISTRIBUTION AROUND THE
DELIVERING AIRCRAFT OF THERMAL RADIATION FROM A NUCLEAR
EXPLOSION
(U), 34 P., (C)
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FWE 236
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 240
CLSS: U
CORP: ADMIRALTY RESEARCH LAB. (TEDDINGTON MIDDLESEX, ENGLAND)
DATE: 5906
REPN: FWE 240
TITL: ATMOSPHERIC TRANSMISSION OF THERMAL RADIATION (U), 24
P., (U)

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FWE 240
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copy: 1 id: 82578-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 245
AUTH: SMITH E.G.
CLSS: C
CORP: ARMY OPERATIONAL RESEARCH GROUP (UK)
DATE: 6001
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1

FLASHBLINDNESS
DESC: SUMMARY
REPN: FWE 245 ; AORG 18/58
SUJO: 3-312-200
TEMP: B8954 ; A7915
TITL: TACTICAL IMPLICATIONS OF FLASH BLINDNESS AND
CHORIORETINAL BURNS
CAUSED BY NUCLEAR EXPLOSIONS; PT. 1, FLASH BLINDNESS
(U), 42 P., (C)

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FWE 245
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: FWE 248
AUTH: FRAME J.W.
CLSS: SFRD
CORP: ROYAL AIRCRAFT ESTABLISHMENT (FARNBOROUGH, ENGLAND)
DATE: 6001

DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1

DESC: SUMMARY

DESC: Nuclear Weapon Effects flight systems airplanes crew L1

REPN: FWE 248 ; RAE TECH MEMO ARM 1728

SUJO: 3-111-500 ; 3-312-100

TEMP: B8957 ; A8705

TITL: INCAPACITATION OF AIRCREW BY IRRADIATION (U), 9 P.,
(SFRD)

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FWE 248

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copy: 1 id: 82586-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: FWE 250

CLSS: S

CORP: ESTABLISHMENTS OF THE UNITED KINGDOM ATOMIC ENERGY
AUTHORITY AT

HARWELL AND ALDERMASTON (ALDERMASTON, BERKS, UK)

DATE: 6001

DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1

INSIDE TANKS

DESC: Cross Sections gamma L1

DESC: Cross Sections neutron L1

DESC: THEORY

REPN: FWE 250

SUJO: 3-312-100 ; 9-820-000 ; 9-830-000

TEMP: B8959 ; A8792

TITL: PAPERS PRESENTED BY U.K. DELEGATES TO FORM BASIS FOR
DISCUSSIONS ON

NUCLEAR RADIATION EFFECTS ON ARMoured FIGHTING VEHICLES
OCTOBER/NOVEMBER 1959 (U), 40 P., (S)

TREE: 411 ; 412

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FWE 250

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INUM: FWE 252

CLSS: C

CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON,
ENGLAND)

DATE: 6007

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1

DESC: EXPERIMENTAL
EFFT: EMP
EMPF: 363
LA: UK
REPN: FWE 252
SUJO: 3-162-000
TEMP: B8961 ; A7917
TITL: EFFECTS OF ELECTROMAGNETIC RADIATION ON NUCLEAR WEAPON
FUZING COMPONENTS (U), 10 P., (C)

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FWE 252
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created: 12/27/1991 type: REPORT permanent
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INUM: FWE 253
AUTH: STEVENSON D.G.
CLSS: U
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON
BERKS., ENGLAND)
DATE: 6103
REPN: FWE 253 ; AWRE 0 52/60
TITL: RECOMMENDED REAGENTS FOR RADIOLOGICAL DECONTAMINATION
(2ND EDITION)
(U), 56 P., (U)

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FWE 253
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INUM: ITR 1601
AUTH: COOK T.B. ; KRAMM M.L. ; MILLER G.R.
CLSS: SRD 1
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 5901
DESC: EXTRA STRATOSPHERIC OBSERVATION LONG RANGE OBSERVATION
STRATOSPHERIC
OBSERVATION ; EXPERIMENTAL SUMMARY
DESC: Nuclear weapon test timing position firing data L1
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L1
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1
DESC: Nuclear Weapon Environment Airblast static overpressure

OVERPRESSURE.L1

DESC: Nuclear Test Simulation Field Programs experiment design
neutron experiments L1 RF PROPAGATION

DESC: Nuclear Test Simulation Field Programs experiment design
gamma experiments L1 RF PROPAGATION

DESC: Nuclear Weapon Environment Thermal Output source
strength total intensity L1

DESC: Nuclear Weapon Environment X-ray Output source strength
total intensity L1

DESC: Nuclear Test Simulation Field Programs experiment design
x-ray experiments L1 RF PROPAGATION

DESC: Nuclear Weapon Environment X-ray Output rate L1

DESC: Nuclear Test Simulation Field Programs experiment design
atmospheric ionization RF propagation noise L1 RF PROPAGATION

DESC: Nuclear Test Simulation Field Programs experiment design
engineering layout performance program documents L1 RF PROPAGATION

DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
L1

DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris L1 RF PROPAGATION

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear radiation transport L1

DESC: Meteorology L1 WIND P 134

DESC: test instruments nuclear radiation fallout debris
sampling collectors L1

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width L1

DESC: Nuclear Weapon Environment Initial Gamma source strength
total intensity L1

DESC: Nuclear Weapon Effects EM Propagation absorption
blackout L1 SURFACE OBSERVATION

DESC: Nuclear weapon safety L1

REPN: ITR 1601

PROJ: PROGRAM 32

SHOT: TEAK ; ORANGE

TSHO: HI-ALT

SUJO: 1-110-000 ; 1-120-000 ; 1-210-000 ; 1-240-000 ;
1-610-000 ; 1-640-000 ; 1-710-000 ; 1-720-000 ; 1-740-000 ;
2-321-100 ; 2-611-000 ; 4-140-000 ; 4-345-000 ; 4-820-000 ;
4-820-300 ; 4-820-400 ; 4-820-500 ; 4-822-000 ; 4-823-000 ;

4-834-000 ;
4-838-000 ; 5-500-000
TEMP: 23477
TITL: HIGH ALTITUDE MEASUREMENTS, OPERATION HARDTACK, PROGRAM
32 (U), 288
P (SRD)
TREE: 900
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ITR 1601
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copy: 1 id: 84278-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: ITR 1652
AUTH: COSENZA C.J. ; BARNETT F.E.
CLSS: SRD 1
CORP: AIR FORCE/AIR DEVELOPMENT CENTER (WRIGHT-PATTERSON AFB
OH)
DATE: 5903
DESC: Nuclear Test Simulation Field Programs experiment design
x-ray
experiments L1
DESC: X-RAY THERMAL NUCLEAR RADIATION PERMANENT DAMAGE ;
THEORY
EXPERIMENTAL
DESC: Nuclear Weapon Effects missile systems strategic L1
DESC: Nuclear Test Simulation Field Programs experiment design
neutron
experiments L1
REPN: ITR 1652
PROJ: 8.6
SHOT: TEAK ; ORANGE ; CACTUS
TSHO: HI-ALT ; SURFACE
SUJO: 3-112-100 ; 4-820-300 ; 4-820-500
TEMP: 23482
TITL: VULNERABILITY OF MISSILE STRUCTURES TO NUCLEAR
DETONATIONS,
OPERATION HARDTACK, PROJECT 8.6 (U), 135 P (SRD)
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ITR 1652
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copy: 1 id: 84306-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: ITR 1675
AUTH: REED J.W. ; BAKER D.J. ; JONES E.A. ; BJORKLAND J.A.
CLSS: SRD 1
CORP: AIR FORCE/CAMBRIDGE RESEARCH CENTER (BEDFORD-MA) ; COOK

ELECTRIC

COMPANY (CHICAGO-IL)
DATE: 5901
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L9 P 13
SCALING LAWS
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design
optical
radiation experiments UV visible IR L5
DESC: Nuclear Test Simulation Field Programs experiment design
thermal L5
DESC: Nuclear Weapon Environment Infrared Output rate L1
DESC: Nuclear Weapon Environment Visible Output rate L1
DESC: Nuclear Weapon Environment Ultraviolet Output source
strength total
intensity L1
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity L1
DESC: Nuclear Weapon Environment Ultraviolet Output rate L1
DESC: Nuclear Weapon Environment Infrared Output source
strength total
intensity L1
DESC: Nuclear Weapon Environment Visible Output source
strength total
intensity L1
REPN: ITR 1675
PROJ: 8.8
SHOT: QUAY ; HAMILTON ; RIO ARRIBA ; SOCORRO ; WRANGELL ;
RUSHMORE ;
SANFORD ; DE BACA ; MAZAMA ; HUMBOLDT ; SANTA FE
TSHO: LOW-ALT
SUJO: 1-210-000 ; 1-240-000 ; 1-310-000 ; 1-340-000 ;
1-410-000 ;
1-440-000 ; 1-510-000 ; 1-540-000 ; 2-110-000 ;
4-820-600 ;
4-820-700
TEMP: 23551
TITL: THERMAL RADIATION FROM LOW-YIELD BURSTS, OPERATION
HARDTACK, PROJECT
8.8 (U), 40 P (SRD)
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ITR 1675
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copy: 1 id: 84316-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: ITR 1728
AUTH: CLARK A. ; ANNIS M.

CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 5901
DESC: THEORY
DESC: Nuclear Weapon Effects materials metals alloys L1
EFFT: X-RAY
REPN: ITR 1728 ; WT 1728 (ITR)
SHOT: LOGAN
TSHO: UG-CONTAINED
SUJO: 3-243-000
TEMP: A8100
TITL: ANALYSIS OF PASSIVE EXPERIMENT TO MEASURE X-RAY INDUCED
IMPULSES;
OPERATION HARDTACK PRELIMINARY TEST REPORT, PROJECT 25.2
(U), 24 P.,
(SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: ITR 1816
AUTH: NORDYKE M.D.
CLSS: U
CCDE: UNEC
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6208
DESC: Nuclear Weapon Environment Ground Shock craters
excavations L1 IN
BASALT
DESC: EXPERIMENTAL
REPN: ITR 1816 ; WT 1816 (ITR)
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 2-625-000
TITL: CRATER STUDIES; OPERATION NOUGAT, PROJECT DANNY BOY,
PROJECT
1.9/26.2 (U), 30 P., (U)

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ITR 1816
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created: 12/27/1991 type: REPORT permanent
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INUM: MAD391788
ADNO: AD 391788
AUTH: LAURINO R.K. ; SCHULTZE D.P. ; VAN DEN BERGHE G.

CLSS: C
CONN: NS 083 001 ; SF 011 05 08
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6003
REPN: USNRDL TR 407 ; AW 5 C
TEMP: 67105
TITL: DECISION PROCEDURES FOR SHIPBOARD RADIOLOGICAL DEFENSE (U), CIRCA 125, (U)

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MAD391788

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copy: 1 id: 85693-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: MAD512051L
ADNO: 512051L
AUTH: TOMNOVEC F.M.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6001
REPN: NRDL TR 393
TEMP: 79060
TITL: CONTRIBUTION OF S1 SUPER 28 (N,P) A1 SUPER 28 REACTION TO INDUCED A1
SUPER 27 (N,GAMMA) A1 SUPER 28 RADIATION FIELDS FROM ATOMIC WEAPONS
(U), 24 P., (SRD)

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MAD512051L

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: PNE 0104
AUTH: LOMBARD D.B. ; POWER D.V.
CLSS: U
CCDE: UNEL
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6203
DESC: test instruments test hardware pressure stress L5
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
spectrum duration L1
DESC: Nuclear Weapon Environment Ground Shock impact pressure stress L1
DESC: test instruments test hardware velocity measurement L5

DESC: CLOSE IN OBSERVATION FEW DATA ; EXPERIMENTAL
REPN: PNE 0104
SHOT: GNOME
TSHO: UG-CONTAINED
SUJO: 2-622-000 ; 2-623-000 ; 4-311-000 ; 4-315-000
TITL: CLOSE-IN SHOCK STUDIES, (U), FINAL REPORT, 26 P (U)

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PNE 0104

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: PNE 0106
AUTH: BENNETT W.P. ; SMITH B.L. ; ROBERTS D.W.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6203
DESC: test instruments thermal temperature L1
DESC: Nuclear Weapon Environment Fallout gamma intensities

spectra L1

DESC: UG OBS ; EXPERIMENTAL

DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence

transitions L1

REPN: PNE 0106

SHOT: GNOME

TSHO: UG-CONTAINED

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INUM: 00081
ADNO: 212014
AUTH: KIVEL B. ; BAILEY K.
CLSS: U
CORP: AVCO RESEARCH LABORATORY
DATE: 5712
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1
DESC: TABULAR
REPN: RR 21
SUJO: 5-200-000
TITL: TABLES OF RADIATION FROM HIGH TEMPERATURE AIR (U), 29 P,
(U)
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00081
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created: 12/27/1991 type: REPORT permanent
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INUM: 00338
AUTH: BETHE H.A. ; LATTE A.L.
CLSS: SRD-1
CORP: CORNELL UNIVERSITY (ITHACA-NY) ; RAND CORPORATION (SANTA
MONICA-CA)
DATE: 5506
DESC: Nuclear Weapon Effects missile systems strategic L1
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
DESC: NUCLEAR RADIATION PERMANENT DAMAGE ; THEORY
REPN: RM 1507
SUJO: 3-112-100 ; 3-161-000
TEMP: 02222
TITL: CLASSIFIED TITLE (U), CA. 20 P., (SRD)
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DETONATIONS IN EXOSPHERE (U), 32 P (SRD)

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00390

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created: 12/27/1991 type: REPORT permanent

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INUM: 00416

AUTH: LATTER R.

CLSS: SRD 1

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 5206

DESC: Nuclear Weapon Environment Thermal Output rate L1

DESC: THEORY

REPN: RM 865

SUJO: 1-240-000

TEMP: 23763

TITL: TIME DEPENDENCE OF THERMAL RADIATION FROM A NUCLEAR
EXPLOSION (U), 8
P (SRD)

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00416

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 00420

AUTH: GILMORE F.R. ; LATTER A.L.

CLSS: U

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 5601

DESC: Composition Chemistry Atmosphere Reaction Rates L1

DESC: THEORY

DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air L1

REPN: RM 1617

SUJO: 5-200-000 ; 5-400-000

TEMP: 23760

TITL: APPROXIMATE THERMODYNAMIC AND RADIATION PROPERTIES OF
AIR BETWEEN 2
AND 600 VOLTS (U), 49 P (U)

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INUM: 00421
AUTH: BRODE H.L. ; MEYEROTT R.E.
CLSS: SRD 1
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 5608
DESC: Nuclear Weapon Environment Thermal Output rate L1
DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity L1
DESC: THEORY
REPN: RM 1851
TSHO: SURFACE
SUJO: 1-210-000 ; 1-240-000
TEMP: 23759
TITL: THERMAL RADIATION FROM ATOMIC DETONATIONS AT TIMES NEAR
BREAKAWAY
(U), 38 P (SRD)

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00421

.endblock

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copy: 1 id: 37724-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 00422
AUTH: LATTER A.L. ; MARCUM J.I.
CLSS: SRD 1
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 5706
DESC: Radiation Transport neutron L1
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence L1
DESC: THEORY
REPN: RM 1928
TSHO: HI-ALT
SUJO: 1-110-000 ; 9-650-000
TEMP: 23767
TITL: FURTHER RESULTS ON NEUTRON TRANSPORT IN THE ATMOSPHERE
(SUNLAMP)
(U), 24 P (SRD)

TREE: 970

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00422

.endblock

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Report Log for Bibliography

Report 'bibliography' scheduled as 'radbib'

Bibliography using full text searching with selection qualification.

STILAS text selection v6.2 started on Monday, June 13, 1994, 9:57 AM

Search will use the KUNI database

Search strings will be read from standard input

The catalog key will be written to standard output

19940613095741 BRS/Search-Engine v.5 started for seltext1

11379 records found for #1: RADIATION OR RADIOLOGICAL

1 searches considered

1 searches selected.

STILAS text selection finished on Monday, June 13, 1994, 10:02 AM

STILAS catalog selection v6.2 started on Monday, June 13, 1994, 9:57 AM

Catalog key will be read from standard input

The catalog key will be written to standard output

The author key will be written to standard output

The title key will be written to standard output

Catalog will be selected if year_of_pub is more than 1939 and less than 1959

11379 catalog record(s) considered

891 catalog record(s) selected.

STILAS catalog selection finished on Monday, June 13, 1994, 10:02 AM

STILAS call number selection v6.2 started on Monday, June 13, 1994, 9:57 AM

Catalog key will be read from standard input

The callnum primary key will be written to standard output

The shelving key will be written to standard output

String from standard input will be written to standard output

Call number will be selected if library is DOCUMENT

891 callnum record(s) considered

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 00339
AUTH: LATTER A.A. ; LATTER R.
CLSS: SRD 1
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 5501
DESC: BLAST AND SHOCK NUCLEAR RADIATION PERMANENT DAMAGE ;
THEORY
DESC: Nuclear Weapon Effects missile systems strategic L1
REPN: RM 1424
SUJO: 3-112-100
TEMP: 02898
TITL: VULNERABILITY OF THE INTERCONTINENTAL BALLISTIC MISSILE
TO ATOMIC WEAPONS, ORDER OF MAGNITUDE CONSIDERATIONS (U), 16 P
(SRD)

.block

00339

.endblock

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copy: 1 id: 37689-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 00390
ADNO: 337143
AUTH: BAICY E.O. ; ALLEN F.J. ; OLSON E.M.
CLSS: SRD 1
CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MD)
DATE: 5807
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates L1
DESC: EXOSPHERE ; THEORY
DESC: Nuclear Weapon Effects EM Propagation absorption
blackout L9
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry L1
REPN: BRL TN 1199
TSHO: HI-ALT
SUJO: 2-110-000 ; 2-211-000 ; 2-310-000 ; 2-321-100 ;
5-800-000
TEMP: 23729
TITL: PRELIMINARY EXAMINATION OF THE EFFECTS ACCOMPANYING
NUCLEAR

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Report Log for Bibliography
Report 'bibliography' scheduled as 'radbib'
Bibliography using full text searching with selection qualification.
STILAS text selection v6.2 started on Monday, June 13, 1994, 9:57 AM
Search will use the KUNI database
Search strings will be read from standard input
The catalog key will be written to standard output
19940613095741 BRS/Search-Engine v.5 started for seltext1
11379 records found for #1: RADIATION OR RADIOLOGICAL
1 searches considered
1 searches selected.
STILAS text selection finished on Monday, June 13, 1994, 10:02 AM
STILAS catalog selection v6.2 started on Monday, June 13, 1994, 9:57 AM
Catalog key will be read from standard input
The catalog key will be written to standard output
The author key will be written to standard output
The title key will be written to standard output
Catalog will be selected if year_of_pub is more than 1939 and less than 1959
11379 catalog record(s) considered
891 catalog record(s) selected.
STILAS catalog selection finished on Monday, June 13, 1994, 10:02 AM
STILAS call number selection v6.2 started on Monday, June 13, 1994, 9:57 AM
Catalog key will be read from standard input
The callnum primary key will be written to standard output
The shelving key will be written to standard output
String from standard input will be written to standard output
Call number will be selected if library is DOCUMENT
891 callnum record(s) considered
888 callnum record(s) selected.
STILAS call number selection finished on Monday, June 13, 1994, 10:02 AM
STILAS item selection v6.2 started on Monday, June 13, 1994, 9:57 AM
Item file will be read by callnum key from standard input
The item primary key will be written to standard output
String from standard input will be written to standard output
888 item record(s) considered
888 item record(s) selected.
STILAS item selection finished on Monday, June 13, 1994, 10:02 AM
Sort: sorting by CALL NUMBER
STILAS item printing v6.2 started on Monday, June 13, 1994, 9:57 AM
Catalog key will be read from standard input
The print will be a catalog level shelflist
The MARC tags will be written to standard output
The call number only will be written to standard output
The item information will be written to standard output
The report title option will be used